

Εφημερίδα Ὀλύμπια Δώματα. P. 2465
OR, AN

ALMANACK

For the YEAR of

Our LORD GOD, 1800;



Being the Fourth after

BISSEXTILE, or LEAP-YEAR,

According to an Act of Parliament, passed in the Year 1751,

And from the World's Creation, 5804.

Wherein are Contained the Lunations, Conjunctions, Aspects, and Effects of the Planets; the Increase, Decrease, and Length of the Days and Nights; with the Rising, Southing, and Setting of the Planets and fixed Stars throughout the Year; whereby may be known the exact Hour of the Night at all Times, when either the Moon or Stars are seen.

Calculated according to Art, and referred to the Horizon of the ancient and renowned Borough Town of *Stamford* (formerly a famous University) whose Latitude is 52 Deg. 20 Min, fitting all the middle Counties of *ENGLAND*, and, without sensible Error, the whole Kingdom. 46-6-24-131

Non est e Terris mollis ad celum

By TYCHO WINCHESTER, Mathematic.



LONDON:

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Common NOTES and Moveable FEASTS.

Dominical Letter	-	E	Septuagesima Sund.	Feb. 9
Golden Number	-	15	Shrove Sunday	Feb. 23
Epaet	-	4	Easter Day	April 13
Cycle of the Sun	-	17	Whit-Sunday	June 1
Roman Indiction	-	3	Trinity Sunday	June 8
Number of Direction	-	23	Advent Sunday	Nov. 30

A CATALOGUE of the Most Reverend, Right Reverend, and Reverend, the Archbishops, Bishops, and Deans, exercising Ecclesiastical Jurisdiction in England, 1800.

<i>Archbishops.</i>	<i>Deans Names.</i>	<i>Sees Names.</i>
Dr. John Moore	Dr. Cornwall	Canterbury
Dr. Wm. Markham	Dr. John Fountayne	York
<i>Bishops.</i>		
Dr. Beilby Porteus	Bishop Pretyman	London
Hon. Dr. S. Barrington	Bishop Cornwallis	Durham
Hon. Dr. Br. North	Dr. Newton Ogle	Winchester
Dr. Buckner	Mr. Combe Miller	Chichester
Dr. Charles Moss	Dr. Geo. Wm. Lukin	Bath & Wells
Dr. Spencer Madan	Dr. Kipling	Peterborough
Hon. Dr. James Yorke	Dr. Pearce	Ely
Dr. Richard Hurd	Dr. Onslow	Worcester
Dr. John Butler	Dr. Nat. Wetherell	Hereford
Dr. John Warren	Mr. Warren	Bangor
Hon. Dr. J ^s Cornwallis	Dr. Baptist Proby	Litchf. & Cov.
Dr. Lewis Bagot	Dr. W. D. Shipley	St. Asaph
Dr. Richard Watson	Dr. Rob. Price, Prec.	Landaff
Dr. John Randolph	Dr. Cyril Jackson	Oxford
Dr. Geo. Pretyman	Dr. Sir Rich. Kaye, Bt.	Lincoln
Dr. John Douglas	Dr. John Ekins	Salisbury
Dr. William Cleaver	Dr. George Cotton	Chester
Dr. Samuel Horsley	Dr. Thomas Dampier	Rocheſter
Dr. Richard Beadon	Dr. Josiah Tucker	Glouceſter
Dr. E. V. Vernon	Dr. Isaac Milner	Carlisle
Dr. Char. M. Sutton	Dr. Joſeph Turner	Norwich
Dr. Cornwall	Dr. John Hallam	Bristol
Dr. Regin. Courtenay	Dr. Charles Harward	Exeter
Dr. Stuart	Mr. Wollaſton, Prec.	St. David's
	Bishop Horsley	Westminſter
	Bishop Sutton	Windſor
Mr. Claudius Crigan		Sodor & Man

A TABLE OF TERMS and Returns for the Year 1800.

HILARY Term begins January 23, ends February 12.

Returns or Essoign Days.				Exc.	Ret.	App.	W. D.
In eight Days of St. Hilary	-	-	Jan. 20	21	22	23	Thursf.
In fifteen Days of St. Hilary	-	-	27	28	29	30	Thursf.
On the Mor. of the Purif. of the Bl. V. M.	-	-	Feb. 3	4	5	6	Thursf.
In eight Days of the Purif. of the Bl. V. M.	-	-	9	10	11	12	Wedn.

EASTER Term begins April 30, ends May 26.

In fifteen Days of Easter	-	-	April 27	28	29	30	Wedn.
From Easter Day in three Weeks	-	-	May 4	5	6	7	Wedn.
From Easter Day in one Month	-	-	11	12	13	14	Wedn.
From Easter Day in five Weeks	-	-	18	19	20	21	Wedn.
On the Mor. of the Ascension of the Lord	-	-	23	24	25	26	Mond.

TRINITY Term begins June 13, ends July 2.

On the Morrow of the Holy Trinity	-	-	June 9	10	11	13	Friday
In eight Days of the Holy Trinity	-	-	15	16	17	18	Wedn.
In fifteen Days of the Holy Trinity	-	-	22	23	24	25	Wedn.
From the Day of the Holy Trinity in 3 W.	-	-	29	30	1	2	Wedn.

MICHAELMAS Term begins November 6, ends November 28.

On the Morrow of All Souls	-	-	Nov. 3	4	5	6	Thursf.
On the Morrow of St. Martin	-	-	12	13	14	15	Saturd.
In eight Days of St. Martin	-	-	18	19	20	21	Friday
In fifteen Days of St. Martin	-	-	25	26	27	28	Friday

N. B. No Sittings in Westminster-Hall on the Second of February, Ascension-day, and Midsummer-day.

The Exchequer opens eight Days before any Term begins, except Trinity, before which it opens but Four Days.

Note, The first and last Days of every Term, are the first and last Days of Appearance.

The Names of the Learned JUDGES in the Law.

I. Right Hon. Alexander Wedderburne Lord Loughborough, Lord High Chancellor of Great Britain.

Right Hon. Sir Richard Pepper Arden, Knt. Master of the Rolls.

II. In the { Rt. Hon. Lord Kenyon, Lord C. J. Sir Nash Grose, Knt.
K. Bench. { Sir Soulden Lawrence, Kt. Sir Simon Le Blanc, Knt.

III. In the { Right Hon. Lord Eldon, L. C. J. Sir Giles Rooke, Knt.
Co. Pleas. { John Heath, Esq. Sir Francis Buller, Bart.

IV. In the { Sir Arch. McDonald, Knt. L. C. B. Sir Alex. Thompson, Kt.
Exchequer. { Sir Beaumont Hotham, Knt. Sir Rich. Perryn, Kt.

Sir John Mitford, Knt. Attor. Gen. Sir W. Grant, Knt. Solic. Gen.

The REGAL Table.

The Year, Month, and Day, when each King and Queen began to reign, accounting the Year to begin <i>January 1.</i>	Length of each Reign.	Number of Years expired since their Reigns ended.	
Kings Names	begin to reign	Y. M. D. end Kings Names	
William I.	1066 Oct. 14	20 10 26 713 William	
William II.	1087 Sept. 9	12 10 24 700 William	
Henry I.	1100 Aug. 2	35 3 29 665 Henry	
Stephen	1135 Dec. 1	18 10 24 646 Stephen	
Henry II.	1154 Oct. 25	34 8 11 611 Henry	
Richard I.	1189 July 6	9 9 0 601 Richard	
John	1199 April 6	17 6 13 584 John	
Henry III.	1216 Oct. 19	56 0 28 528 Henry	
Edward I.	1272 Nov. 16	34 7 21 493 Edward	
Edward II.	1307 July 7	19 6 18 473 Edward	
Edward III.	1327 Jan. 25	50 4 27 423 Edward	
Richard II.	1377 June 21	22 3 8 401 Richard	
Henry IV.	1399 Sept. 29	13 5 20 387 Henry	
Henry V.	1413 Mar. 20	9 5 11 378 Henry	
Henry VI.	1422 Aug. 31	38 6 4 339 Henry	
Edward IV.	1461 Mar. 4	22 1 5 317 Edward	
Edward V.	1483 April 9	0 2 13 317 Edward	
Richard III.	1483 June 22	2 2 0 315 Richard	
Henry VII.	1485 Aug. 22	23 8 0 291 Henry	
Henry VIII.	1509 April 22	37 9 6 253 Henry	
Edward VI.	1547 Jan. 28	6 5 8 247 Edward	
Q. Mary I.	1553 July 6	5 4 11 242 Q. Mary	
Q. Elizabeth	1558 Nov. 17	44 4 7 197 Q. Elizabeth	
James I.	1603 Mar. 24	22 0 3 175 James	
Charles I.	1625 Mar. 27	23 10 3 151 Charles	
Charles II.	1649 Jan. 30	36 0 7 115 Charles	
James II.	1685 Feb. 6	4 0 7 111 James	
Will. 3. & M.	1689 Feb. 13	13 0 23 98 William	
Q. Anne	1702 Mar. 8	12 4 24 86 Q. Anne	
George I.	1714 Aug. 1	12 10 10 73 K. George	
George II.	1727 June 11	33 4 14 40 K. George	
George III.	1760 Oct. 25	Crowned Sept. 22, 1761.	

Use of the following TABLE.

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The Use of the following TABLE of the Moon's Southing, to find the Time of High-Water, and the Hour of the Night.

I. To find the Time of High-Water in most Parts of ENGLAND.

Take the Time of the Moon's Southing for the Day proposed, and to that add the Hours and Minutes which stand against the Place required in the following Table of Sea-Coasts, and the Sum will be the Time of High-Water at the Place required on that Day.

A Table of the Sea Coasts.

	H. M.
Portsmouth, Queenborough, Southampton, - -	0 00
Rochester, Winchelsea, Flushing, - -	0 45
Downs, Gravesend, Ramkins, Guernsey, - -	1 30
Denbigh, Bell-Isle, Holy-Isle, Downs-Road, - -	2 15
London, Timmouth, Whitby, Hartlepool, - -	3 00
Scarborough, Berwick, Flushing, Staples, - -	3 45
Flamborough, Humber, Bridlington-Bay, - -	4 30
Plymouth, Ramsay, Newcastle, Severn, - -	5 15
Lynn, Fosdyke, Hull, Weymouth, Dartmouth, Cross-Keys, - -	6 00
Boston, Start-Point, Foulness, Bristol-Key, - -	6 45
Bridgewater, Milford Haven, Lizard, Wintertown, - -	7 30
Yarmouth, Isle of Wight, the Needles, - -	8 15
Isle of Man, Orkney, Pool, South-Foreland, - -	9 10
Dover, Harwich, Orfordness, Bullein, - -	10 10
Rye, Solebay, Margate-Road, - -	11 15

II. To find the Hour of the Night by the Shadow of the Moon on a Sun-Dial.

1. When the Shadow falls precisely on the Hour 12, then the Time of the Moon's Southing, found in the preceding Table, is the exact Time of Night. But in other Cases,

2. If the Shadow wants of 12, see how much it wants of it; which Time, subtracted from that of the Moon's Southing, leaves the Time of Night. *Note*, You must add 12 Hours to the Moon's Southing, if Need be.

3. If the Shadow has past 12, add the Time that it has past it to the Time of the Moon's Southing; the Sum will be the Time of Night required; abating 12 Hours from that Sum, if Need be.

A TABLE of the MOON'S SOUTHING, of excellent Use to

M	January		February		March		April		May		June		M
D	h	m	h	m	h	m	h	m	h	m	h	m	D
1	5	a 6	5	a 34	4	a 13	5	a 29	6	a 5	7	a 9	1
2	5	46	6	18	4	59	6	23	6	55	7	56	2
3	6	26	7	5	5	47	7	16	7	44	8	44	3
4	7	6	7	55	6	38	8	8	8	31	9	37	4
5	7	48	8	47	7	32	8	59	9	19	10	34	5
6	8	33	9	41	8	26	9	49	10	8	11	37	6
7	9	20	10	36	9	20	10	37	11	0	morn		7
8	10	11	11	29	10	13	11	27	11	56	0	42	8
9	11	4	morn		11	3	morn		morn		1	49	9
10	11	58	0	21	11	53	0	18	0	57	2	52	10
11	morn		1	10	morn		1	12	2	1	3	50	11
12	0	52	1	58	0	42	2	10	3	7	4	42	12
13	1	43	2	46	1	32	3	10	4	11	5	29	13
14	2	33	3	34	2	23	4	14	5	10	6	13	14
15	3	20	4	24	3	16	5	17	6	4	6	54	15
16	4	7	5	18	4	13	6	18	6	52	7	34	16
17	4	53	6	14	5	14	7	13	7	37	8	15	17
18	5	41	7	14	6	15	8	5	8	19	8	57	18
19	6	31	8	15	7	16	8	51	8	59	9	41	19
20	7	25	9	15	8	14	9	35	9	39	10	28	20
21	8	23	10	13	9	9	10	16	10	20	11	18	21
22	9	25	11	7	9	59	10	57	11	3	0	a 9	22
23	10	27	11	56	10	45	11	37	11	48	1	1	23
24	11	28	0	a 42	11	28	0	a 19	0	a 36	1	53	24
25	0	a 25	1	25	0	a 10	1	3	1	26	2	42	25
26	1	18	2	7	0	51	1	50	2	18	3	30	26
27	2	6	2	48	1	32	2	39	3	10	4	16	27
28	2	50	3	30	2	15	3	30	4	1	5	0	28
29	3	31			3	0	4	22	4	50	5	45	29
30	4	12			3	48	5	14	5	37	6	31	30
31	4	52			4	37			6	23			31

Spring Quarter begins - March 20d 8h 3m afternoon.
 Summer Quarter begins - June 21 5 47 afternoon.
 Autumn Quarter begins - Sept. 23 7 31 morning.
 Winter Quarter begins - Dec. 22 0 15 morning.

The Moon's Southing.

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find the Time of High-Water, and the Hour of the Night

M	July	August	September	October	November	December	M
D	h m	h m	h m	h m	h m	h m	D
1	7 a 20	9 a 2	10 a 56	11 a 22	morn	morn	1
2	8 13	10 6	11 47	morn	0 16	0 30	2
3	9 11	11 10	morn	0 5	1 2	1 20	3
4	10 14	morn	0 34	0 48	1 50	2 11	4
5	11 21	0 9	1 19	1 32	2 40	3 1	5
6	morn	1 3	2 2	2 17	3 31	3 49	6
7	0 27	1 51	2 45	3 4	4 23	4 36	7
8	1 29	2 37	3 29	3 53	5 13	5 20	8
9	2 25	3 20	4 15	4 44	6 1	6 3	9
10	3 16	4 2	5 2	5 35	6 48	6 47	10
11	4 1	4 44	5 52	6 27	7 34	7 31	11
12	4 45	5 28	6 44	7 18	8 18	8 18	12
13	5 26	6 14	7 36	8 7	9 4	9 10	13
14	6 7	7 2	8 28	8 55	9 52	10 7	14
15	6 49	7 53	9 19	9 42	10 42	11 9	15
16	7 33	8 45	10 9	10 28	11 38	0 a 16	16
17	8 19	9 38	10 57	11 16	0 a 38	1 23	17
18	9 7	10 30	11 44	0 a 5	1 43	2 27	18
19	9 59	11 21	0 a 31	0 58	2 50	3 25	19
20	10 51	0 a 9	1 18	1 56	3 54	4 18	20
21	11 44	0 56	2 8	2 58	4 54	5 6	21
22	0 a 34	1 42	3 2	4 2	5 48	5 50	22
23	1 24	2 28	4 0	5 5	6 37	6 32	23
24	2 11	3 15	5 0	6 6	7 21	7 13	24
25	2 56	4 4	6 3	7 2	8 4	7 56	25
26	3 41	4 58	7 5	8 54	9 45	8 39	26
27	4 26	5 56	8 4	9 41	10 2	9 25	27
28	5 13	6 57	9 59	10 25	10 9	10 13	28
29	6 3	8 0	10 50	11 8	11 54	11 3	29
30	6 58	9 3	11 37	11 50	12 40	11 54	30
31	7 58	10 2	12 11	12 32	morn	morn	31

VENUS is a Morning Star till August 5; and then an Evening Star for the rest of the Year.

JUPITER is an Evening Star till August 6; and then a Morning Star for the rest of the Year.

Lunations.						M D	Jupiter sets	Venus rises
First Quarter 2d day, at 11 night						1	7m 6	4m 2
Full Moon 11th day, at 2 morning						7	6 40	4 12
Last Quarter 18th day, at 8 morning						13	6 15	4 21
New Moon 25th day, at 3 morning						19	5 50	4 29
						25	5 26	4 37
M D	W D	Holy Days, ☉ rises & sets	D's Longit.	D's Declin.	D rises & sets	Aspects and Weather		
1	W	Circumcision	24 X 45	5 s 3	11 a 1	Cloudy but fair		
2	Th	☉ rises 8h 4m	6 V 59	0 n 38	morn			
3	F	☉ sets 3h 56m	18 58	6 12	0 13	and frosty.		
4	S		0 8 49	11 30	1 23			
5	E	2 S. aft. Chri.	12 36	16 21	2 33	<i>Old Christ. day</i>		
6	M	Epiphany	24 24	20 36	3 44	Δ h δ		
7	Tu	[Twel. day]	6 II 19	24 3	4 56			
8	W	<i>Lucian</i>	18 24	26 29	6 6	Now expect		
9	Th		0 24 41	27 41	7 9			
10	F	☉ rises 7h 58m	13 13	27 29	D rises	snow or rain.		
11	S	[Old N.Y. d.]	25 58	25 51	4 a 10			
12	E	1 S. aft. Epiph.	8 Ω 58	22 51	5 27	Δ h ♀		
13	M	<i>Plough Monday</i>	22 10	18 37	6 48	<i>Hila. C.T. beg.</i>		
14	Tu	Oxf. T. begins	5 m 33	13 24	8 8			
15	W	☉ sets 4h 9m	19 6	7 30	9 30	Cloudy, dull		
16	Th		2 24 47	1 11	10 50	dark weather.		
17	F	<i>Old Twelfth-d.</i>	16 37	5 s 16	morn			
18	S	<i>Q. Ch. b. day k.</i>	0 m 36	11 32	0 14	<i>Prisca</i>		
19	E	2 S. af. Epiph.	14 42	17 17	1 41			
20	M	<i>Fabian</i>	23 56	22 8	3 9			
21	Tu	<i>Agnes</i>	13 16	25 41	4 38	Cold winds,		
22	W	<i>Vincent</i>	27 38	27 35	6 1			
23	Th	<i>Hil. Term be.</i>	11 55 58	27 37	7 8	with frosts.		
24	F		26 10	25 50	D sets			
25	S	<i>Conv. St. Paul</i>	10 33 9	22 29	4 a 32			
26	E	3 S. af. Epiph.	23 48	17 58	5 56	8 ☉ h, 8 24 δ		
27	M	<i>Pr. Au. Fred. b.</i>	7 X 6	12 41	7 15	6 δ ♀ [8 24 ♀		
28	Tu		20 2	7 0	8 33			
29	W	☉ rises 7h 32m	2 V 36	1 11	9 45	Winterly weather,		
30	Th	<i>K. Ch. J. mar.</i>	14 51	4 n 33	10 5	snow or rain.		
31	F	☉ set 4h 31m	26 2	10 2	morn			

M	Saturn		Jupiter		Mars		Venus	
	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.
1	8 Ω 41	18 n 45	24 Π 35	23 n 2	4 \uparrow 42	20 s 59	24 η 10	15 s 40
7	8 15 18	53	23 52 23	1	8 52 21	45	0 \uparrow 33	17 10
13	7 48 19	1 23	13 23	1	13 4 22	25	7 6 18	31
19	7 19 19	9 22	39 23	0	17 17 22	57	13 47 19	41
25	6 50 19	17 22	11 22	59	21 31 23	22	20 36 20	35

M	\odot 's		Observations
D	Longit.	Declin.	
1	10 γ 57	23 s 1	The Georgian Planet stationary, as seen from the earth
2	11 58	22 56	Day breaks at 6 in the morning
3	12 59	22 50	Twilight ends at 2m. past 6 at night
4	14 0	22 44	
E	15 1	22 37	
6	16 2	22 30	Mercury stationary, as seen from the earth
7	17 4	22 23	
8	18 5	22 15	
9	19 6	22 6	
10	20 7	21 57	Day increased 22 minutes
11	21 8	21 48	Seven stars south at 8 at night
E	22 9	21 39	
13	23 10	21 28	Orion's Girdle, south near 10 at night
14	24 11	21 18	
15	25 13	21 7	Jupiter south 30m. past 9 at night
16	26 14	20 56	
17	27 15	20 44	Mercury's greatest elongation from the Sun
18	28 16	20 32	
E	29 17	20 1	
20	0 \sim 18	20 7	Sun enters \sim 58m. past 4 morning
21	1 19	19 53	
22	2 20	19 40	
23	3 21	19 26	
24	4 22	19 11	Great Dog Star, south at 10 at night
25	5 23	18 57	
26	6 24	18 42	Georgian Planet, south 30m. past 3 in the morning
27	7 25	18 26	
28	8 26	18 11	
29	9 27	17 55	Saturn now shines all night, being in opposition to the Sun
30	0 28	17 38	
31	11 29	17 21	

Lunations.						M D	Jupiter sets	Venus rises
First Quarter	1st day, at	8 night				1	4 m 41	4 m 48
Full Moon	9th day, at	5 afternoon				7	4 17	4 56
Last Quarter	16th day, at	4 afternoon				13	4 53	5 4
New Moon	23d day, at	5 afternoon				19	3 38	5 11
						25	3 47	5 18

M D	W D	Holy Days, Orises & sets	D's Longit.	D's Declin.	D rises & sets	Aspects and Weather
1	S	☉ rises 7h 27m	8 8 43	15 n 4	0 m 7	Some sharp frosts.
2	E	S. a. Epi. Can.	20 31	19 32	1 20	
3	M	Blase	2 II 21	23 14	2 32	
4	Tu		14 17	26 0	3 44	Cold winds, with snow or
5	W	Agatha	26 26	27 35	4 53	
6	Th		8 51	27 50	5 51	
7	F	☉ sets 4h 43m	21 33	26 39	6 38	Rain.
8	S		4 34	24 0	D rises	
9	E	Septuages. Su.	17 54	20 2	4 a 21	
10	M		1 30	14 58	5 41	Δ ☉ 4, 8 h 8
11	Tu	☉ rises 7h 9m	15 19	9 3	7 10	Blustering winds, bring snow or
12	W	Hilary Ter. e.	29 17	2 38	8 33	
13	Th	Old Candlemas	13 21	3 58	9 57	
14	F	Valentine	27 28	10 25	11 25	Rain.
15	S		11 36	16 21	morn	
16	E	Sexagesima S.	25 42	21 24	0 55	
17	M		9 48	25 12	2 22	Stormy weather.
18	Tu	☉ sets 5h 4m	23 50	27 27	3 47	
19	W		7 49	27 58	4 59	
20	Th	☉ rises 6h 52m	21 41	26 41	5 49	Rain.
21	F		5 24	23 50	6 27	
22	S	Cam. T. diw. m.	18 56	19 42	6 53	
23	E	Quinq. Shro. S.	2 14	14 39	D sets	Stormy weather.
24	M	St. Matthe. Pr.	15 15	9 3	6 a 9	
25	Tu	Shr. T. [A. F. b.]	27 59	3 11	7 26	
26	W	Ash-Wednesday	10 20	2 n 40	8 40	
27	Th		22 38	8 20	9 53	
28	F	☉ sets 5h 23m	4 38	13 36	11 5	

M	Saturn		Jupiter		Mars		Venus	
	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.
1	6S 15	19 n 26	21 11 47	22 n 59	26 1 28	23 s 41	28 1 39	21 s 16
7	5 46	19 34	21 34 22	59 0 44	23 48	5 37	21 30	
13	5 19	19 41	21 28 23	0 5 2	23 47	12 39	21 24	
19	4 53	19 48	21 30 23	1 9 20	23 38	19 44	20 55	
25	4 29	19 54	21 38 23	2 13 39	23 21	26 52	20 6	

M	☉'s		☉'s		Observations
	Longit.	Declin.	Longit.	Declin.	
1	12 30	17 s 5			Jupiter south 23m. past 8 at night
E 13	30	16 47			
3	14 31	16 30			
4	15 32	16 12			Days have increased 1h. 34m.
5	16 33	15 54			
6	17 34	15 35			Saturn sets at 7 in the morning
7	18 34	15 17			
8	19 35	14 58			Mars rises near 5 in the morning
E 20	36	14 39			Orion's Girdle, south at 8 at night
10	21 36	14 19			
11	22 37	14 0			Twilight ends 45m. past 6 at night
12	23 37	13 40			
13	24 38	13 20			
14	25 39	12 58			
15	26 39	12 39			Jupiter stationary, as seen from the earth
E 27	40	12 18			
17	28 40	11 57			
18	29 41	11 36			Sun enters X 44m. past 7 at night
19	0 X 41	11 15			Days have increased 2h. 29m.
20	1 41	10 52			Saturn sets 10m. past 6 morning
21	2 42	10 31			Jupiter sets 23m. past 3 morning
22	3 42	10 10			
E 4	43	9 48			
24	5 43	9 26			The Great Dog Star, south at 8 at night
25	6 43	9 3			
26	7 44	8 41			Twilight ends soon after 7 at night
27	8 44	8 18			
28	9 44	7 56			

Lunations.				M	Jupiter	Venus
				D	fets	rises
First Quarter	3d day, at	6 afternoon		1	2 m 53	5 m 8
Full Moon	11th day, at	6 morning		7	2 32	5 12
Last Quarter	17th day, at	11 night		13	2 12	5 11
New Moon	25th day, at	8 morning		19	1 52	5 4
				25	1 33	4 54

M	W	Holy Days,	D's	D's	D rises	Aspects and
D	D	Orises & sets	Longit.	Declin.	& sets	Weather
1	S	<i>David</i>	16 8 29	18 n 19	morn	Rough cold winds,
2	E	Sun. in Lent	28 18 22	19 0 17		
3	M	[<i>Chad</i>	10 II 7	25 24 1	31	
4	Tu	Orises 6h 27m	22 4 27	23 2 40		♂ ☉ ♀
5	W	Ember Week	4 26 13	28 7 3	43	with rain or
6	Th		16 39 27	27 4 35		fnow.
7	F	<i>Perpetua</i>	29 24 25	21 5 15		
8	S	Orises 5h 41m	12 2 33	21 51 5	48	☐ ♃ ♄, * ♂ ♀
9	E	Sun. in Lent	26 4 17	8 6 7		
10	M		9 12 57	11 25	D rises	
11	Tu	Orises 6h 13m	24 8 4	59 6 a 14		Some frosty
12	W	<i>Gregory</i>	8 26 33	1 s 49	7 38	mornings.
13	Th		23 4 8	34 9 10		☐ ☉ ♃
14	F	Orises 5h 53m	7 m 37	14 54 10	41	Δ ♃ ♄
15	S		22 6 20	23 morn		
16	E	Sun. in Lent	6 1 28	24 38 0	13	More fine, season-
17	M	<i>St. Patrick</i>	20 39 27	17 1 42		able good
18	Tu	<i>Edw. K. W. S.</i>	4 15 38	28 11 2	58	
19	W		18 24 27	18 3 56		Δ ♃ ♄
20	Th		1 22 58	24 49 4	37	weather.
21	F	<i>Benedict</i>	15 18 21	1 5 6		
22	S	Orises 5h 51m	28 24 16	15 5 26		* ☉ ♂
23	E	4 or Midl. Sun.	11 17 10	50 5 41		
24	M		23 57 5	4 D fets		Δ ☉ ♃, ♂ ♃ ♂
25	Tu	<i>Annu. Ladyday</i>	0 24 0	n 48 6 a 33		
26	W		18 39 6	34 7 44		* ♃ ♄
27	Th		0 8 44	12 1 8	56	Stormy a few
28	F	Orises 6h 21m	12 39 16	58 10 8		days.
29	S		24 29 21	14 11 22		
30	E	Sun. in Lent	6 II 1	24 38 morn		Cold winds.
31	M		18 7 27	0 0 36		

M D	Saturn		Jupiter		Mars		Venus	
	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.
1	4 Ω 14	19 n 58	21 11 48	23 n 3	16 15 52	23 s 5	1 38	19 s 21
7	3 56 20	2 22	8 23	6 20	52 22	35	8 49	17 58
13	3 40 20	6 22	35 23	8 25	14 21	56 16	1 16	16
19	3 27 20	9 23	7 23	11 29	35 21	10 23	14 14	18
25	3 19 20	11 23	46 23	13 3	58 20	17 0	28 12	5

M D	☉'s Longit.	☉'s Declin.	Observations
1	10 44	7 s 33	Days have increased 3h. 11m.
E 11	44	7 10	
3	12 44	6 47	Day break at 39m. past 4 morning
4	13 44	6 24	Twilight ends 23 m. past 7 at night
5	14 44	6 1	
6	15 44	5 38	
7	16 44	5 15	Saturn south, 13m. past 9 at night
8	17 44	4 51	Mercury under the sun-beams
E 18	44	4 28	
10	19 44	4 4	
11	20 43	3 41	Moon eclipses a small star at 26m. past
12	21 43	3 17	12 at night
13	22 43	2 54	
14	23 43	2 30	Saturn south 50m. past 8 at night
15	24 42	2 6	
E 25	42	1 43	
17	26 41	1 19	The Georgian Planet is now in oppo-
18	27 41	0 55	sition to the Sun, and shines all night
19	28 41	0 32	
20	29 40	0 8	Sun enters ♈ at 3m. past 8 at night
21	0 40	0 n 16	
22	1 39	0 39	Day 12 hours 18m. long
E 2	38	1 3	
24	3 38	1 27	Night 11 hours 34m. long
25	4 37	1 50	
26	5 37	2 14	Day increased 4 hours and 50 minutes
27	6 36	2 37	
28	7 35	2 1	Mars rises near 4 in the morning
29	8 34	3 24	
E 9	34	3 47	
31	10 33	4 11	

Lunations.						M D	Jupiter sets	Venus rises
First Quarter	2d day, at	1 afternoon	1	1 m 12	4 m 46	7	0 54	4 37
Full Moon	9th day, at	4 afternoon	13	0 36	4 21	19	0 19	4 15
Last Quarter	16th day, at	7 morning	25	0 1	4 10			
New Moon	24th day, at	1 morning						

M D	W D	Holy Days, rites & sets	D's Longit.	D's Declin.	D rises & sets	Aspects and Weather
1	Tu	☉ rises 5h 32m	0 55 3	28 n 9	1 m 40	
2	W		12 11	27 59	2 36	Some cold winds,
3	Th	<i>Richard</i>	24 34	26 25	3 20	but soon changes
4	F	<i>Ambr. Ca. T.e.</i>	7 17	23 30	3 52	to better
5	S	<i>Oxf. T. ends</i>	20 23	19 19	4 18	weather.
6	E	<i>6 or Palm Sun.</i>	3 55	14 3	4 36	
7	M	<i>[Old Lady Da]</i>	17 53	7 54	4 51	
8	Tu	☉ sets 6h 42m	2 15	1 11	D rises	
9	W		16 55	5 s 45	6 a 50	
10	Th	<i>Maundy Thursd.</i>	1 m 48	12 30	8 21	
11	F	<i>Good Friday</i>	16 46	18 33	9 55	Stormy winds
12	S	☉ rises 5h 10m	1 41	23 27	11 29	some days.
13	E	<i>Easter Day</i>	16 23	26 45	morn	
14	M	<i>Easter Monday</i>	0 52	28 12	0 55	Fruitful
15	Tu	<i>Easter Tuesday</i>	15 0	27 46	2 1	☐ ♀
16	W		28 48	25 36	2 49	* ☉ ♀
17	Th	☉ sets 6h 59m	12 14	22 4	3 20	♂ ☉ ♀
18	F		25 21	17 30	3 43	* ♀ ♀
19	S	<i>Alphege</i>	8 10	12 14	3 57	showers now
20	E	<i>Low Sunday</i>	20 45	6 35	4 10	about.
21	M	☉ rises 4h 53m	3 6	0 47	4 20	
22	Tu		15 17	4 n 59	4 31	Δ ♀ ♀
23	W	<i>St. George</i>	27 20	10 31	D sets	Ox.&Ca.Ter.b.
24	Th		9 15	15 37	8 a 0	☐ ☉ [* ♂ ♀]
25	F	<i>St. Mark. Prs.</i>	21 6	20 6	9 15	
26	S	<i>[Mary b.]</i>	2 55	23 47	10 28	Rough winds,
27	E	<i>2 S. aft. Easter</i>	14 44	26 27	11 37	about this
28	M	☉ sets 7h 20m	26 35	27 58	morn	
29	Tu		8 33	28 11	0 37	Δ ♀ ♂
30	W	<i>Easter Term b.</i>	20 40	27 3	1 24	Time.

M D	Saturn		Jupiter		Mars		Venus	
	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.	Longit.	Declin.
1	3 Ω 14	20 n 13	24 11 37	23 n 16	9 \sim 4	19 s 7	8 \times 56	9 s 15
7	3 14 20	13	25 27 23	19	13 2	17 59	16 12	6 39
13	3 18 20	12	26 21 23	21	17 51	16 46	23 28	3 56
19	3 26 20	10	27 19 23	23	22 14	15 28	0 γ 44	1 8
25	3 38 20	7	28 20 23	25	26 38	14 7	8 1	1 n 41

M D	\odot 's Longit.	\odot 's Declin.	Observations
1	11 γ 32	4 n 34	Sun full east 15m. past 6 o'clock
2	12 31	4 57	Day break 30m. past 3 morning
3	13 30	5 20	Saturn stationary, as seen from the earth
4	14 29	5 43	
5	15 28	6 6	
E 6	16 27	6 28	Mercury stationary, as seen from the earth
7	17 26	6 51	
8	18 24	7 13	
9	19 23	7 36	Moon eclipsed, invisible
10	20 22	7 58	The Georgian Planet in conjunction
11	21 21	8 20	with a small star, and is south 20m.
12	22 19	8 42	past 10 at night
E 13	23 18	9 4	Days have increased 6 hours 5 min.
14	24 17	9 25	
15	25 15	9 47	
16	26 14	10 8	Mercury under the sun-beams
17	27 13	10 29	
18	28 11	10 5	
19	29 10	11 11	Sun enters 8 41m. past 8 morning
E 20	8 8	11 32	
21	1 7	11 52	
22	2 5	12 13	Sun eclipsed, invisible
23	3 3	12 33	
24	4 2	12 53	
25	5 8	13 12	Virgin's Spike south, at 11 at night
26	5 58	13 32	
E 27	6 57	13 51	
28	7 55	14 10	Day 14 hours 40m. long
29	8 53	14 29	Night 9 hours 18m. long
30	9 51	14 47	

Lunations.						M	Jupiter	Venus
						D	sets	rises
First Quarter	2d day, at	4 morning				1	11 a 4	4 m o
Full Moon	9th day, at	1 morning				7	11 22	3 49
Last Quarter	15th day, at	5 afternoon				13	11 4	3 39
New Moon	23d day, at	5 afternoon				19	10 46	3 30
First Quarter	31st day at	4 afternoon				25	10 27	3 21

M	W	Holy Days, rises & sets	D's ongit	D's Declin.	D rises & sets	Aspects and Weather
1	Th	St. Phil. & Jam.	3 Ω 2	24 n 37	2 m o	
2	F	☉ rises 4h 34m	15 41	20 56	2 25	Cold rough
3	S	Inv. of the Cross	28 41	16 10	2 46	winds.
4	E	3 S. aft. Easter	12 ♄ 7	10 30	3 2	
5	M		25 59	4 8	3 16	Frequent
6	Tu	John Ev. a.P.L.	10 ♄ 17	2 s 38	3 28	
7	W		25 0	9 28	3 41	♂ ♀ ♀
8	Th	☉ sets 7h 37m	10 ♄ 0	15 55	D rises	showers now
9	F		25 12	21 28	8 a 57	about.
10	S		10 ♄ 24	25 35	10 32	
11	E	4 Sun. af. East.	25 27	27 51	11 52	
12	M		10 ♄ 13	28 4	morn	Some cold winds.
13	Tu	Old May day	24 36	26 23	0 48	
14	W	☉ rises 4h 14m	8 ♄ 32	23 7	1 25	
15	Th		22 1	18 41	1 50	* ♄ ♀
16	F	☉ sets 7h 49m	5 ♄ 6	13 31	2 8	
17	S	Prs. Wales b.	17 48	7 54	2 22	□ ♄ ♀
18	E	Rogation Sun.	0 ♄ 12	2 7	2 33	* ♄ ♀
19	M	Queen Cha. b.	12 22	3 n 39	2 43	
20	Tu	[Dunstan	24 23	9 13	2 52	□ ♄ ♀
21	W	☉ rises 4h 4m	6 ♄ 16	14 24	3 4	Stormy with
22	Th	Ascension: Prs.	18 6	19 1	3 17	
23	F	[Eliz. b.	29 54	22 54	D sets	frequent
24	S	☉ sets 8h om	11 ♄ 43	25 50	9 a 27	showers.
25	E	Su. aft. Ascen.	23 25	27 38	10 30	
26	M	East. Ter. ends	5 ♄ 32	28 10	11 22	Augustin
27	Tu	Venerable Bede	17 35	27 22	morn	* ☉ ♄
28	W		19 48	25 15	0 1	Somewhat cloudy.
29	Th	King Ch. 2 re.	2 Ω 12	21 56	0 29	Oxford Ter. e.
30	F	[Co. T. div. n.	24 51	17 33	0 51	
31	S		♄ 48	12 16	1 7	

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May, 1800. -

17

D	Saturn				Jupiter				Mars				Venus			
	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1	35	53	20	n 4	29	11 25	23	n 27	13	1	12	s 39	15	19	11	n 31
7	4	12	19	59	29	33	23	27	5	24	11	9	22	36	7	18
13	4	34	19	54	1	44	23	27	9	45	9	37	29	54	10	0
19	5	0	19	48	2	56	23	27	14	6	8	2	7	8	12	34
25	5	28	19	41	4	11	23	25	18	26	6	25	14	30	14	58

D	Sun's	
	Longit.	Declin.

Observations.

1	10	8	50	15	n 1	Mercury stationary, as seen from the
2	11	48	15	23		earth.
3	12	46	15	41		Days have increased 7 hours 10 minutes.
4	13	44	15	59		
5	14	42	16	16		The Moon eclipses a small Star at 32
6	15	40	16	33		min. past 9 at night.
7	16	38	16	50		
8	17	36	17	6		
9	18	34	17	22		
10	19	31	17	38		The Moon eclipses a small Star at 30
11	20	29	17	54		min. past 3 in the morning.
12	21	27	18	9		
13	22	25	18	24		Twilight ends 45 min. past 10 at night.
14	23	23	18	38		Virgin's Spike south between 9 and 10
15	24	21	18	53		at night.
16	25	18	19	7		Mercury's greatest elongation from Sun,
17	26	16	19	20		and rises with Venus before him.
18	27	14	19	34		
19	28	11	19	47		
20	29	9	20	0		
21	0	II	7	20	12	Sun enters II 9 min. past 9 morning.
22	1	5	20	24		
23	2	2	20	36		Sun due east 9 min. past 7 o'clock.
24	3	0	20	47		
25	3	57	20	58		
26	4	55	21	8		No real night until July 22d day, but
27	5	53	21	19		all twilight.
28	6	50	21	29		
29	7	48	21	38		
30	8	45	21	47		
31	9	43	21	56		Georgian Planet stationary.

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B

Lunations						M D	Jupiter sets	Venus rises
Full Moon 7th day, at 8 morning.						1	10 a 4	3 m 11
Last Quarter 14th day, at 4 morning.						7	9 45	3 3
New Moon 22d day, at 8 morning.						13	9 26	2 58
First Quarter 29th day at midnight.						19	9 6	2 56
						25	8 46	2 58
M D	W D	Holy-Days ☉ rises & sets	Moon's Longit.	Moon's Declin.	D rises & sets	Aspects and Weather		
1	E	Whit S. Nicom	21 m 6	6 n 17	1 m 20			
2	M	Whit Mond.	4 a 49	0 s 9	1 32	* ♂ ♀; * ♂ ♀		
3	T	Whit Tuesd.	18 57	6 47	1 45	♂ ♀ ♀		
4	W	K. Geo. III. b.	Em. W.	13 16	1 59	Overcast, with		
5	T	D. of Cumb. b.	18 m 23	19 10	2 15	changeable		
6	F	[Boniface	3 a 31	23 55	D rises	weather, for		
7	S	☉ rises 3 47	18 46	27 2	9 a 22	several days.		
8	E	Trinity Sun.	3 h 57	28 8	10 31			
9	M		18 53	27 10	11 18	* ♀ ♂		
10	T	☉ sets 8 14	3 m 26	24 20	11 48			
11	W	St. Barn. Ox.	17 31	20 8	morn			
12	T	Cor. Ch. [T. b.	1 h 7	15 0	0 9	* ♀ ♂		
13	F	Trin. T. beg.	14 14	9 21	0 25			
14	S	☉ rises 3 44	26 57	3 30	0 36	Gentle winds,		
15	E	1 S. aft. Trin.	9 a 19	2 n 21	0 47	with some		
16	M		21 25	7 59	0 58	showers.		
17	T	St. Alban	3 h 21	13 16	1 8			
18	W	☉ sets 8 17	15 10	18 1	1 21	♂ ☉ ♀		
19	T		26 58	22 4	1 37			
20	F	Tr. E. d. K. W. S.	8 h 47	25 13	1 58			
21	S	Longest day	20 39	27 17	D sets	Fine, pleasant		
22	E	2 S. after Tr	2 h 37	28 6	9 a 14	Δ ♀ ♂		
23	M	☉ rises 3 43	14 43	27 35	9 57	weather, now		
24	T	Nat. J. Bapt.	26 57	25 44	10 27	♂ ♀ ♂; ☐ ♂ ♀		
25	W	[Midsum.	9 h 20	22 38	10 50	about.		
26	T		21 54	18 28	11 8			
27	F	☉ sets 8 16	4 40	13 24	11 22	☐ ♀ ♂		
28	S		17 41	7 40	11 34	Hot, with		
29	E	3 S. after Tr	0 a 58	1 28	11 46	thunder		
30	M	[S. Peter	14 35	4 s 57	11 59			

WING.

June, 1800.

19

D	Saturn		Jupiter		Mars		Venus	
M	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1	6 Ω 4	19 n 32	5 $\overline{25}$ 41	23 n 22	23 \times 26	4 s 33	23 δ 2	17 n 29
7	6 38	19 24	6 59	23 19	27 41	2 56	0 Π 21	19 22
13	7 14	19 15	8 18	23 15	1 γ 54	1 19	7 41	20 56
19	7 53	19 5	9 38	23 10	6 4	0 16	15 1	22 11
25	8 33	18 55	10 59	23 5	10 10	1 49	22 21	23 2

D	Sun's		Sun's		Observations
M	Longit.	Declin.	Longit.	Declin.	
1	10 Π 40	22 n 4			Venus rises soon after 3 in the morning.
2	11 37	22 12			
3	12 35	22 20			Venus and Mercury rise together, being very near each other.
4	13 32	22 27			
5	14 30	22 34			
6	15 27	22 40			Scorpion's Heart south 19 min. past 11 at night.
7	16 24	22 46			
8	17 22	22 52			Seven Stars rise near 2 in the morning.
9	18 19	22 57			
10	19 16	23 2			Mars rises at midnight.
11	20 13	23 6			All day-light or twilight till July the 22d.
12	21 11	23 10			
13	22 8	23 14			
14	23 5	23 17			
15	24 3	23 20			Sun due east 21 min. past 7 o'clock.
16	25 0	23 22			
17	25 57	23 24			
18	26 54	23 26			Draco south at midnight.
19	27 52	23 27			Mercury under the Sun-beams.
20	28 49	23 28			
21	29 46	23 28			Sun enters $\overline{25}$ 47 min. past 5 afternoon.
22	0 $\overline{25}$ 43	23 28			
23	1 41	23 27			
24	2 38	23 26			Shining Harp south at 12 at night.
25	3 35	23 25			
26	4 33	23 23			
27	5 30	23 21			Days have decreased 2 minutes.
28	6 27	23 19			Saturn sets at 10 at night.
29	7 24	23 16			
30	8 21	23 12			

Lunations.

M	Jupiter	Venus
D	rises	rises

Full Moon 6th day, at 3 afternoon.

Last Quarter 13th day, at 6 afternoon.

New Moon 21st day, at 10 at night.

First Quarter 29th day, at 7 morning.

1	4 m 4	3 m 2
7	3 45	3 12
13	3 26	3 24
19	3 8	3 26
25	2 50	3 48

M	W	Holy-Days	Moon's	Moon's	D rises	Aspects and
D	D	☉ rises & sets	Longit.	Declin.	& sets	Weather
1	T	Cam. Com.	28 Δ 32	11 8 18	morn	
2	W	Visitat. Trin.	12 m 50	17 14 0	13	Hot, with
3	T	Dog d.b. [T.e	27 28	22 18 0	31	frequent claps
4	F	Tra. S. Mart.	12 \uparrow 21	26 1 0	58	of thunder.
5	S	O. Midf. [Ca. T.e	27 23	27 56	D rises	☉ ☉ 4
6	E	4 S. after Tr.	12 Δ 24	27 47	9 a 2	
7	M	Tho. à Becket	27 15	25 39	9 41	
8	T		11 Δ 48	21 51	10 6	
9	W	☉ rises 3 51	25 55	16 53	10 24	
10	T		9 Δ 34	11 13	10 38	Seasonable
11	F	☉ sets 8 7	22 44	5 15	10 50	☉ ☉ 8
12	S		5 Δ 29	0 n 46	11 0	and good
13	E	5 S. after Tr.	17 53	6 35	11 11	☉ 4 ♀
14	M	Oxford Act	0 8 0	12 2	11 22	weather.
15	T	Swithin	11 55	16 58	11 37	
16	W		23 45	21 13	11 56	
17	T	☉ rises 4 0	5 Π 33	24 36	morn	☐ ☉ ♂
18	F		17 25	26 56	0 21	
19	S	Oxf. T. ends	29 23	28 4	0 57	Thunder
20	E	6 S. after Tr.	11 Δ 29	27 52	1 46	showers in
21	M	[Margaret	23 46	26 18	D sets	some places.
22	T	Magdalen	6 Ω 14	23 26	8 a 51	
23	W		18 53	19 25	9 9	
24	T	☉ sets 7 51	1 Δ 44	14 28	9 26	
25	F	St. James	14 45	8 48	9 39	☐ ♂ ♀; Δ ♂ 8
26	S	St. Anne	27 58	2 40	9 50	
27	E	7 S. after Tr.	11 Δ 24	3 s 42	10 3	Now expect
28	M		25 3	9 59	10 16	wind and rain
29	T	☉ rises 4 16	8 m 56	15 55	10 33	
30	W		23 4	21 7	10 55	
31	T	☉ sets 7 41	7 \uparrow 26	25 9	11 28	

WING. July, 1800.

21

D	Saturn		Jupiter		Mars		Venus	
	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1	9 Ω 14	18 n 44	12 $\overline{25}$ 20	22 n 58	14 Ψ 12	3 n 20	29 Π 42	23 n 30
7	9 57	18 33	13 41	22 51	18 10	4 49	7 $\overline{25}$ 4	23 33
13	10 41	18 23	15 2	22 43	22 2	6 13	14 26	23 11
19	11 26	18 9	16 23	22 34	25 48	7 34	21 48	22 24
25	12 12	17 57	17 43	22 24	29 28	8 51	29 11	21 14

D	Sun's		Sun's	Observations.
	Longit.	Declin.		
1	9 $\overline{25}$ 18	23 n 8	8	Jupiter under the sun-beams.
2	10 16	23 4		
3	11 13	23 0		Moon eclipses a small Star, at 34 min.
4	12 10	22 55		past 12 at night.
5	13 7	22 49		
6	14 4	22 43		The Moon, on the 4th day, eclipses a
7	15 2	22 37		small Star, at 10 at night.
8	15 59	22 31		
9	16 56	22 24		
10	17 53	22 16		The planet Saturn is in conjunction with
11	18 50	22 8		Mercury, and sets after the Sun.
12	19 48	22 0		
13	20 45	21 52		
14	21 42	21 43		Sun due east 12 min. past 7 o'clock.
15	22 39	21 34		Days have decreased 28 minutes.
16	23 37	21 24		
17	24 34	21 14		Seven Stars rises a little before midnight.
18	25 31	21 4		
19	26 28	20 53		Day is 16 hours 36 min. long at Stam-
20	27 26	20 42		ford.
21	28 24	20 31		
22	29 20	20 19		
23	0 Ω 18	20 7		Sun enters Ω at 35 min. past 4 in the
24	1 15	19 54		morning.
25	2 12	19 41		On the 23d day, Mercury is with Cor
26	3 10	19 28		Leonis, and sets after the Sun.
27	4 7	19 15		Mercury at his greatest elongation from
28	5 5	19 1		the Sun, as seen from the earth.
29	6 2	18 47		
30	6 59	18 33		
31	7 57	18 18		Days have decreased 1 hour 8 minutes.

Lunations						M D	Jupiter rises	Venus sets
Full Moon 4th day, at 11 night.						1	2 m 27	7 a 49
Last Quarter 12th day, at 11 morning.						7	2 11	7 41
New moon 20th day, at 10 morning.						13	1 56	7 33
First Quarter 27th day, at noon.						19	1 41	7 25
						25	1 26	7 18
M D	W D	Holy-Days ☉ rises & sets	Moon's Longit.	Moon's Declin.	☽ rises & sets	Aspects and Weather		
1	F	Lammas day	2 4 58	27 s 37	morn			
2	S		6 38	28 10	o 18	Time to begin the harvest.		
3	E	8 S. after Tr.	21 17	26 45	☽ rises			
4	M	☉ rises 4 25	5 49	23 33	8 a 5			
5	T		20 7	18 58	8 26	♂ ☉ ♀		
6	W	Transfigurat.	4 4	13 27	8 41	♂ ☉ ♀; ♂ ♀ ♀		
7	T	Prs. Am. bor.	17 38	7 26	8 54			
8	F	[Na. of Jef.	0 47	1 16	9 6	Showers now about, with thunder.		
9	S	☉ sets 7 26	13 32	4 n 47	9 17			
10	E	9 S. Tr. Lawr.	25 57	10 29	9 27			
11	M	Ds. Brun. bo.	Dog d. c.	15 41	9 42	Δ ♂ ♀		
12	T	Pr. Wales bo.	20 8	20 12	10 0			
13	W	[Old Lam.	1 11 53	23 52	10 22			
14	T	☉ rises 4 42	13 44	26 32	10 53			
15	F	Assumption	25 38	28 1	11 39	Sultry and warm weather.		
16	S	D. of York b.	7 41	28 12	morn			
17	E	10 S. after Tr.	19 54	27 1	o 36			
18	M		2 22	24 29	1 46			
19	T	☉ sets 7 9	15 4	20 44	☽ sets			
20	W		28 1	15 56	7 a 36	Some showers		
21	T	D. of Clar. b.	11 12	10 19	7 49			
22	F		24 35	4 8	8 2	♂ ♀ ♂		
23	S	☉ rises 4 59	8 10	2 s 19	8 14	of rain may now be ex- pected.		
24	E	11 S. after Tr.	21 54	8 45	8 27			
25	M	[St. Barth.	5 47	14 50	8 42			
26	T		19 47	20 13	9 3	□ ♀ ♂		
27	W	☉ sets 6 54	3 53	24 30	9 32			
28	T	St. Augustine	18 5	27 19	10 15			
29	F	Beh. J. Bapt.	2 21	28 23	11 15			
30	S		16 37	27 32	morn			
31	E	12 S. after Tr.	0 50	24 55	o 34			

WING.

August, 1800.

23

D	Saturn		Jupiter		Mars		Venus.	
M	Long.	Decl.	Long.	Declin.	Long	Declin.	Long	Decl.
1	13 Ω 5	17 n 42	19 $\overline{25}$ 15	22 n 12	38 33	10 n 14	7 Ω 49	19 n 25
7	13 51	17 29	20 33	22 2	6 53	11 20	15 14	17 28
13	14 37	17 17	21 50	21 50	10 2	12 20	22 38	15 15
19	15 24	17 3	23 4	21 39	12 59	13 15	0 $\overline{11}$ 5	12 46
25	16 9	16 50	24 16	21 27	15 42	14 5	7 30	10 5

D	Sun's	Sun's	Observations
M	Longit.	Declin.	

1	8 Ω 54	18 n 3	
2	9 52	17 48	Day breaks at 26 min. past 1 o'clock.
3	10 49	17 32	Twilight ends at 27 min. past 10 o'clock.
4	11 46	17 17	
5	12 44	17 0	Venus under the sun-beams.
6	13 41	16 44	Saturn under the sun-beams.
7	14 39	16 27	
8	15 36	16 11	
9	16 34	15 53	
10	17 32	15 36	Mercury stationary, as seen from the earth.
11	18 29	15 18	
12	19 27	15 0	
13	20 24	14 42	Shining Harp south, at 9 at night.
14	21 22	14 24	
15	22 20	14 5	Days have decreased 2 hours.
16	23 18	13 46	
17	24 15	13 27	Day breaks 24 min. past 2 o'clock.
18	25 13	13 8	
19	26 11	12 48	
20	27 9	12 29	Day 14 hours 16 min. long.
21	28 7	12 9	
22	29 5	11 49	
23	0 $\overline{11}$ 2	11 28	Sun enters $\overline{11}$ at 11 in the morning.
24	1 0	11 8	Mercury under the sun-beams.
25	1 58	10 47	
26	2 56	10 26	
27	3 54	10 5	The Moon eclipses the Scorpion's Heart
28	4 52	9 44	at 4 in the afternoon.
29	5 50	9 23	
30	6 48	9 1	Jupiter rises soon after 1 in the morning.
31	7 46	8 40	

Lunations.						M	Jupiter	Venus
						D	rises	fets
Full Moon 3d day, at 9 morning.						1	1 m 9	7 a 8
Last Quarter 11th day, at 5 morning.						7	o 54	6 59
New Moon 18th day, at 10 night.						13	o 38	6 49
First Quarter 25th day, at 6 afternoon.						19	o 22	6 39
						25	o 5	6 29
M W	Holy-Days	Moon's	Moon's	D rises	Aspects and			
D D	☉ rises & fets	Longit.	Declin.	& fets	Weather			
1 M	Giles	14 ^m 55	20 s 49	2 m 2	September Δ ♂ ♀ comes in fine and seasonable.			
2 T	Lond.bt. 1666	28 48	15 37	D rises				
3 W		12 X 25	9 45	7 a 6				
4 T	☉ rises 5 22	25 44	3 34	7 19				
5 F		8 ^v 43	2 n 37	7 30				
6 S	[Enurchus	21 23	8 34	7 42	* ♃ ♀ Flying clouds, and very fine weather.			
7 E	13 S. after Tr.	3 8 45	14 3	7 55				
8 M	Nat. V. M.	15 53	18 54	8 13				
9 T		27 51	22 55	8 32				
10 W	☉ fets 6 27	9 n 43	25 57	8 59				
11 T		21 35	27 50	9 38	Δ ☉ ♂ Temperate and fine.			
12 F		3 ^m 30	28 27	10 29				
13 S		15 34	27 44	11 33				
14 E	14 S. after Tr.	27 51	25 40	morn				
15 M	[Holy Crofs	10 Ω 25	22 19	o 47				
16 T	☉ rises 5 45	23 16	17 50	2 7	* ☉ ♃ Some winds now about.			
17 W	Ember Week	6 m 28	12 25	3 29				
18 T	[Lambert	19 57	6 17	D fets				
19 F	☉ fets 6 9	3 ⁿ 44	o s 16	6 a 29				
20 S	[Matthew	17 45	6 55	6 42				
21 E	15 S. Tr. St.	1 m 56	13 18	6 57	Δ ♂ ♀ Variable * ♃ ♀ * ♃ ♀ weather.			
22 M	K. G. III. cr.	16 12	19 3	7 17				
23 T	☉ rises 5 59	o ♄ 31	23 44	7 44				
24 W		14 49	26 57	8 20				
25 T	Old Holy Ro.	29 3	28 26	9 16				
26 F	St. Cyprian	13 ♄ 10	28 2	10 29	* ♃ ♀ * ♃ ♀ weather.			
27 S	☉ fets 5 54	27 10	25 51	11 51				
28 E	16 S. after Tr.	11 ^m 0	22 10	morn				
29 M	St. Mic. DsWir	24 38	17 20	1 13				
30 T	St. Jerome	8 X 4	11 43	2 44				

WING.

September, 1800.

25

D	Saturn		Jupiter		Mars		Venus	
	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1	17 17	1	16 n 36	25 39	21 n 13	18 33	14 n 56	16 11
7	17 45	16	23 26	46	21 1	20 39	15 33	23 38
13	18 27	16	10 27	50	20 49	22 24	16 5	1 5
19	19 8	15	58 28	51	20 38	23 45	16 32	8 32
25	19 47	15	47 29	49	20 27	24 38	16 53	15 59

D	Sun's		Sun's	Declin.	Observations.
	Longit.	Decl.			
1	8 45	8 n 18			Day breaks soon after 3 o'clock.
2	9 43	7 56			
3	10 41	7 34			Mercury stationary, as seen from the earth.
4	11 39	7 12			
5	12 37	6 50			
6	13 35	6 28			Mercury with Cor Leonis, and may be seen to rise before the Sun.
7	14 34	6 5			
8	15 32	5 43			
9	16 30	5 20			Days have decreased 3 hours 33 minutes.
10	17 29	4 57			Mercury at his greatest elongation from the Sun, as seen from the earth.
11	18 27	4 34			
12	19 26	4 11			
13	20 25	3 48			
14	21 23	3 25			Mars rises 30 min. past 8 at night.
15	22 21	3 2			
16	23 20	2 39			Jupiter rises about half an hour past 12 at night.
17	24 18	2 16			
18	25 17	1 53			
19	26 16	1 29			Day breaks 52 min. past 3 o'clock.
20	27 15	1 6			Twilight ends 6 min. past 8 o'clock.
21	28 13	0 42			
22	29 12	0 19			
23	0 11	0 s 4			Sun enters \triangle at 31 min. past 7 in the morning.
24	1 10	0 28			
25	2 9	0 51			
26	3 8	1 15			Days have decreased 4 hours 43 min.
27	4 7	1 38			
28	5 6	2 2			
29	6 5	2 25			The Moon eclipses a small Star, the 30th day at 50 min. past 9 at night.
30	7 4	2 48			

Lunations					M	Jupiter	Venus
					D	rises	sets
Full Moon 2d day, at 10 night.					1	11 a 45	6 a 19
Last Quarter 10th day, at midnight.					7	11 28	6 10
New Moon 18th day, at 9 morning.					13	11 10	6 1
First Quarter 25th day, at 1 morning.					19	10 57	5 53
					25	10 31	5 47
M	W	Holy-Days	Moon's	Moon's	D	rises	Aspects and
D	D	☉ rises & sets	Longit.	Declin.	& sets	Weather	
1	W	Remigius	21 X 16	5 s 41	D rises		
2	T		4 V 13	0 n 29	5 a 46	Pleasant and	
3	F	☉ rises 6 18	16 56	6 32	5 58	agreeable	
4	S		29 25	12 14	6 8	weather.	
5	E	17 S. after Tr	11 8 41	17 21	6 24		
6	M	Faith	23 46	21 42	6 43	♂ ☉ ♀	
7	T	☉ sets 5 34	5 II 43	25 7	7 8	☐ ♀	
8	W		17 35	27 25	7 41		
9	T	St. Denys	29 26	28 28	8 27	Some wet	
10	F	Ox. & Ca. T. b	11 25 20	28 13	9 25	weather now	
11	S	[Old Mic.	23 23	26 38	10 35	* ♀	
12	E	18 S. after Tr.	5 Ω 38	23 47	11 52	about.	
13	M	Tran. K. Ed. C.	18 11	19 46	morn		
14	T	☉ rises 6 40	1 m 4	14 45	1 11		
15	W		14 20	8 55	2 31	* ☉ ♀	
16	T		28 1	2 30	3 54	Cold winds	
17	F	Etheldred	12 4	4 s 14	D sets	begin to	
18	S	St. Luke	26 27	10 54	5 a 9	☐ ♀	
19	E	19 S. after Tr.	11 m 4	17 6	5 27	blow.	
20	M		25 50	22 21	5 50		
21	T	☉ sets 5 7	10 4 36	26 11	6 24		
22	W		25 15	28 14	7 15	☐ ♀	
23	T	☉ rises 6 57	9 43	28 19	8 24	Rather windy.	
24	F		23 55	26 31	9 46	☐ ♀; ♂ ♂ ♀	
25	S	K. Geo. III. ac.	Crispin	23 8	11 12	now about.	
26	E	20 S. Tr. K.	21 27	18 33	morn		
27	M	[Geo. III. pr.	4 X 47	13 10	0 39		
28	T	St. Sim. & Jude	17 50	7 17	1 59	☐ ☉ ♀	
29	W		0 V 39	1 13	3 16	♂ ♂ ♀	
30	T	☉ sets 4 50	13 16	4 n 48	4 32	Stormy weather.	
31	F		25 41	10 33	5 47	☐ ♀	

D	Saturn		Jupiter		Mars		Venus	
M	Long	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1	20° 24'	15° 36'	0° 42'	20° 16'	25° 8' 3"	17° 8'	23° 26'	8° 25'
7	20° 59'	15° 26'	1° 30'	20° 6'	24° 56'	17° 19'	22° 53'	11° 18'
13	21° 32'	15° 16'	2° 14'	19° 57'	24° 17'	17° 23'	8° 20'	14° 22'
19	22° 2'	15° 8'	2° 53'	19° 50'	23° 7'	17° 21'	15° 47'	16° 33'
25	22° 29'	15° 0'	3° 25'	19° 43'	21° 30'	17° 14'	23° 14'	18° 50'

D	Sun's Longit.	Sun's Declin.	Observations
1	8 ²	3	3 ^s 12
2	9	2	3 35 Moon eclipsed at 10 at night, visible.
3	10	1	3 58 Mars stationary, as seen from the earth.
4	11	0	4 21
5	11	59	4 45 The Moon eclipses a small Star, at 6
6	12	58	5 8 min. past 12 at night.
7	13	58	5 31
8	14	57	5 54 Mercury under the Sun-beams.
9	15	56	6 17 Mars rises about 7 at night.
10	16	56	6 40
11	17	55	7 2
12	18	55	7 25 Jupiter rises soon after 11 at night.
13	19	54	7 47
14	20	54	8 10 Twilight ends 15 min. past 7 o'clock.
15	21	53	8 32
16	22	53	8 54 Venus with the bright Star in the Ba-
17	23	53	9 17 lance.
18	24	52	9 38
19	25	52	10 0
20	26	52	10 22
21	27	51	10 45 Days have decreased 6 hours 20 min.
22	28	51	11 5
23	29	51	11 26 Sun enters η at 34 min. past 3 in the
24	om	51	11 47 afternoon.
25	1	51	12 8
26	2	51	12 28 Jupiter rises at half past 10 at night.
27	3	51	12 49
28	4	51	13 9
29	5	51	13 29 Mars rises 20 min. past 5 evening.
30	6	51	13 49 Venus sets 42 min. past 5 evening.
31	7	51	14 9

Lunations.						M D	Jupiter rises	Venus sets
Full Moon 1st day, at 2 afternoon.						1	10 a 6	5 a 41
Last Quarter 9th day, at 7 afternoon.						7	9 44	5 36
New Moon 16th day, at 8 night.						13	9 21	5 33
First Quarter 23d day, at 11 morning.						19	8 56	5 36
						25	8 31	5 44
M D	W D	Holy Days ☉ rises & sets	Moon's Longit.	Moon's Declin.	☾ rises & sets	Aspects and Weather.		
1	S	All Saints	7 8 56	15 n 50	☾ rises			
2	E	21 Tr. Duke of	20 2 20	25	4 a 51	Δ 4 ♀		
3	M	Prs. So. [Kent. All So.	24	8	5 12			
4	T	K. Wm. land.	13 II 56	26	47 5 42	Rough winds,		
5	W	Powder Plot	25 48	28	14 6 24	and winterly		
6	T	Mic.	7 39	28	22 7 18	weather.		
7	F	[Ter. beg.	19 32	27	12 8 23			
8	S	Prs. Aug. So.	1 Ω 33	24	47 9 34	8 ☉ ♂; Δ 4 ♂		
9	E	22 S. Tr. L ^d	13 45	21 13	10 51			
10	M	[Mayor's d.	26 12	16 40	morn			
11	T	St. Martin	9 0	11 16	0 9	Frosty morn-		
12	W	Cam. T. d. m.	22 11	5 12	1 26	ings.		
13	T	Britius	5 50	1 s 18	2 48			
14	F	☉ rises 7 36	19 56	7 57	4 12			
15	S	Machutus	4 m 28	14 24	5 40	Cloudy and		
16	E	23 S. after Tr.	19 21	20 11	☾ sets	☐ ☉ ♀		
17	M	Hugh	4 28	24 45	4 a 17	dark weather.		
18	T	☉ sets 4 18	19 39	27 36	5 1	Δ 2 ♀		
19	W	☉ rises 7 43	4 44	28 25	6 5			
20	T	Edmund	19 33	27 9	7 25			
21	F	☉ sets 4 14	4 1	24 5	8 55			
22	S	Cecil. O. Mart.	18 3	19 40	10 22	Frost and		
23	E	24 S. after Tr.	1 40	14 22	11 45	snow now		
24	M	[Clement	14 53	8 33	morn	Δ 2 ♂		
25	T	D. of Glo. b.	27 44	2 31	1 3	about.		
26	W	[Catharine	10 19	3 n 29	2 18	Δ ☉ 4		
27	T	☉ rises 7 53	22 40	9 15	3 31			
28	F	Mic. Term e.	4 50	14 35	4 46	Very cold		
29	S	[drew.	16 53	19 19	5 59	winds.		
30	E	Adv. S. St. An-	28 51	23 13	7 13			

WING. November, 1800. 29

D	Saturn		Jupiter		Mars		Venus	
M	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1	22 56	14 n 52	3 56	19 n 37	19 8 11	16 n 59	1 55	21 s 6
7	23 16	14 47	4 15	19 33	17 2	16 42	9 22	22 40
13	23 32	14 43	4 28	19 31	14 55	16 24	16 48	23 51
19	23 44	14 40	4 34	19 31	12 59	16 7	24 14	24 36
25	23 52	14 38	4 32	19 33	11 25	15 54	15 40	24 55

D	Sun's		Observations.	
M	Longit.	Declin.		
1	8 m 51	14 s 28	Days have decreased 6 hours 58 minutes.	
2	9 51	14 47		
3	10 51	15 6		
4	11 51	15 25	Day breaks at 23 min. past 5 o'clock.	
5	12 52	15 43	Twilight ends 36 min. past 6 o'clock.	
6	13 52	16 1		
7	14 52	16 19	Jupiter rises a quarter before 10 at night.	
8	15 53	16 37		
9	16 53	16 54	Mars now comes to his opposition of the	
10	17 53	17 11	Sun, and shines with uncommon lustre	
11	18 54	17 28	every night.	
12	19 54	17 44		
13	20 55	18 0		
14	21 55	18 16	Day 8 hours and 50 min. long.	
15	22 56	18 32		
16	23 56	18 47	Seven-stars south at midnight.	
17	24 57	19 2		
18	25 58	19 16	Mercury at his greatest elongation, 21st	
19	26 58	19 30	day, and shines after sun-set.	
20	27 59	19 44		
21	29 0	19 57	Jupiter stationary, as seen from the earth.	
22	0 1	20 10	Sun enters 1 at 51 min. past 11 morn.	
23	1 1	20 23		
24	2 2	20 36		
25	3 3	20 47	Days have decreased 8 hours 14 min.	
26	4 3	20 59		
27	5 4	21 10	Moon eclipses a small Star at 24 min.	
28	6 5	21 21	past 2 in the morning.	
29	7 6	21 31		
30	8 7	21 41	Mercury stationy, as seen from the earth.	

Lunations						M	Jupiter	Venus
						D	rises	sets
Full Moon 1st day, at 8 morning.						1	8 a 4	5 a 52
Last Quarter 9th day, at 11 morning.						7	7 34	6 3
New Moon 16th day, at 6 morning.						13	7 8	6 16
First Quarter 22d day, at midnight.						19	6 38	6 30
Full Moon 31st day, at 4 morning.						25	6 8	6 47
M	W	Holy-Days,	Moon's	Moon's	D	rises	Aspects and	
D	D	☉ rises & sets	Longit.	Declin.	& sets	Weather		
1	M		10 11 46	26 n 8	D rises	Sharp, cold		
2	T	☉ rises 7 59	22 38	27 53	4 a 16	Δ ♂ ♀		
3	W		4 30	28 21	5 5	weather, with		
4	T	☉ sets 4 0	16 23	27 30	6 5	fnow or rain.		
5	F		28 19	25 23	7 13			
6	S	Nicholas	10 21	22 8	8 29			
7	E	2 S. in Adv.	22 33	17 54	9 44			
8	M	Concep. V.M.	4 57	12 51	11 0	Dark, dull		
9	T		17 38	7 9	morn	weather,		
10	W		0 41	0 59	0 16	♂ ☉ ♀		
11	T	☉ rises 8 5	14 9	5 s 25	1 35	a few days.		
12	F		28 6	11 47	2 57			
13	S	Lucy	12 31	17 45	4 25			
14	E	3 S. in Adv.	27 23	22 50	5 59	Blustering		
15	M		12 34	26 30	D sets	Δ ☉ ♀		
16	T	O.Sap. Ca. T.e.	27 55	28 14	3 a 31	winds now		
17	W	Ember Week	13 15	27 49	4 45	about.		
18	T	[Oxf. T. e.	28 21	25 19	6 14			
19	F	☉ sets 3 52	13 5	21 11	7 45			
20	S		27 21	15 55	9 14			
21	E	4 Adv. St Tho.	11 7	10 2	10 37	♂ ♀		
22	M	[Shor st day	24 24	3 53	11 56			
23	T	☉ rises 8 8	7 15	2 n 14	morn	Rain or fleet.		
24	W		19 45	8 7	1 9			
25	T	Christmas day	28 0	3 33	2 22	Dark, cloudy,		
26	F	St. Stephen	14 3	18 24	3 37	□ ♂ ♀		
27	S	St. John Ev.	25 59	22 28	4 50	and unfettled		
28	E	1 S. af. Chrif.	7 51	25 35	6 3	weather.		
29	M	[Innocents	19 42	27 35	7 10			
30	T	☉ sets 3 55	1 34	28 19	D rises			
31	W	Silveste	13 29	27 44	3 a 46	Frosty		

WING.

December, 1800.

31

D	Saturn		Jupiter		Mars		Venus	
	Long.	Decl.	Long.	Decl.	Long.	Decl.	Long.	Decl.
1	23 57	14 n 38	4 23	19 n 36	10 8 17	15 n 47	9 5 24 s 47	
7	23 57	14 39	4 8	19 41	9 39	15 47	16 29 24 12	
13	23 54	14 41	3 45	19 47	9 29	15 54	23 52 23 11	
19	23 46	14 45	3 16	19 55	9 48	16 8	1 15 21 45	
25	23 34	14 50	2 42	20 4	10 33	16 28	8 36 19 57	

Sun's		Sun's		Observations
Longit.	Declin.	Longit.	Declin.	
1	9 8	21 s 51		Day breaks 54 min. past 5 o'clock.
2	10 8	22 0		Twilight ends 6 min. past 6 o'clock.
3	11 9	22 8		
4	12 10	22 17		Saturn stationary, as seen from the earth.
5	13 11	22 24		Days have decreased 8 hours 36 min.
6	14 12	22 32		
7	15 13	22 39		Seven-Stars south between 10 and 11 at night.
8	16 14	22 45		
9	17 15	22 51		Saturn rises 18 min. after 9 at night.
10	18 16	22 57		Mercury under the sun-beams.
11	19 17	23 2		Mars stationary, as seen from the earth.
12	20 18	23 7		
13	21 20	23 11		Venus shines after Sun-set.
14	22 21	23 15		
15	23 22	23 18		Jupiter rises about 7 at night.
16	24 23	23 21		Day breaks at 6 o'clock.
17	25 24	23 23		
18	26 25	23 25		
19	27 26	23 27		Moon eclipses a small Star, at 8 at night.
20	28 28	23 27		Mercury stationary, as seen from the earth.
21	29 29	23 28		
22	0 30	23 28		Sun enters ♊ at 15 min. past midnight.
23	1 31	23 27		
24	2 32	23 27		Night 16 hours and 16 min. long.
25	3 33	23 25		
26	4 35	23 23		Mars south 14 min. past 8 at night.
27	5 36	23 21		Venus shines in the West after sun-set.
28	6 37	23 18		
29	7 38	23 15		
30	8 39	23 11		Saturn rises 43 min. past 7 at night.
31	9 40	23 7		

The Eclipses of Jupiter's First

January				February				March				April			
Emerfions.				Emerfions.				Emerfions.				Emerfions.			
d.	h.	m.	s.	d.	h.	m.	s.	d.	h.	m.	s.	d.	h.	m.	s.
1*	17	20	2	2*	13	46	53	1	3	0	23	1	23	48	36
3*	11	47	51	4*	8	15	29	2	21	29	36	3	18	18	0
5*	6	15	42	6	2	44	8	4	15	58	49	5	12	47	23
7	0	43	35	7	21	12	49	6*	10	28	4	7	7	16	47
8	19	11	30	9	15	41	35	8	4	57	22	9	1	46	8
10*	13	39	37	11*	10	10	21	9	23	26	40	10	20	15	26
12*	8	7	28	13	4	39	12	11	17	56	0	12	14	44	49
14	2	35	28	14	23	8	4	13*	12	25	19	14*	9	14	7
15	21	3	33	16	17	36	59	15*	6	54	43	16	3	43	26
17*	15	31	40	18*	12	5	58	17	1	24	4	17	22	12	41
19*	9	59	50	20*	6	34	56	18	19	53	25	19	16	41	56
21	4	28	3	22	1	3	59	20	14	22	51	21	11	11	11
22	22	56	16	23	19	33	0	22*	8	52	11	23	5	40	23
24	17	24	35	25	14	2	7	24	3	21	38	25	0	9	31
26*	11	52	56	27*	8	31	14	25	21	51	0	26	18	38	43
28*	6	21	21					27	16	20	27	28	13	7	49
30	0	49	49					29*	10	49	49	30	7	36	54
31	19	18	20					31	5	19	5				
May				June				July				August.			
Emerfions.				Emerfions.								Immerfions.			
d.	h.	m.	s.	d.	h.	m.	s.					d.	h.	m.	s.
2	2	6	0	1	4	15	13	The Eclipses of Jupiter's Satellites are not vifible this month, Jupiter being too near the Sun.				2	0	37	42
3	20	35	1	3	23	43	44					3	19	6	28
5	15	4	2	4	17	12	13					5	13	35	13
7*	9	33	0									7	8	4	0
9	4	1	56									9	2	32	49
10	22	30	51									10	21	1	37
12	16	59	43									12*	15	30	29
14	11	28	32									14	9	59	22
16	5	57	23									16	4	28	13
18	0	26	8									17	22	57	8
19	18	54	51									19	17	26	5
21	13	23	35									21	11	55	1
23	7	52	15									23	6	24	0
25	2	20	53									25	0	53	0
26	20	49	30									26	19	22	1
28	15	18	7									28	13	51	2
30	9	46	40									30	8	20	6

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Operation.

Satellite for 1800.

September				October				November				December			
Immersions.				Immersions.				Immersions.				Immersions			
d.	h.	m.	s.	d.	h.	m.	s.	d.	h.	m.	s.	d.	h.	m.	s.
1	2	49	6	1	5	3	1	2	1	39	31	2	3	35	18
2	21	18	12	2	23	31	56	3	26	7	50	3	22	2	56
4*	15	47	16	4	18	0	54	5*	14	36	9	5*	16	30	33
6	10	16	20	6	12	29	47	7	9	4	23	7*	10	58	6
8	4	45	25	8	6	58	42	9	3	32	37	9	5	25	38
9	23	14	30	10	1	27	32	10	22	0	45	10	23	53	12
11	17	43	34	11	19	56	23	12*	16	28	53	12*	18	20	42
13	12	12	39	13*	14	25	8	14*	10	56	56	14*	12	48	14
15	6	41	42	15	8	53	56	16	5	24	59	16	7	15	43
17	1	10	46	17	3	22	37	17	22	52	57	18	1	43	14
18	19	39	50	18	21	51	20	19*	18	20	54	19	20	10	42
20*	14	8	52	20*	16	19	58	21*	12	48	47	21*	14	38	12
22	8	37	55	22	10	48	36	23	7	16	37	23*	9	5	43
24	3	6	57	24	5	17	9	25	1	44	23	25	3	33	8
25	21	35	59	25	23	45	44	26	20	12	13	26	22	0	44
27*	16	4	59	27	18	14	13	28*	14	39	55	28*	16	28	15
29	10	34	1	29*	12	42	43	30	9	7	37	30	10	55	48
				31	7	11	8								

N.B. Those marked with an asterisk are visible at *Greenwich*.

To illustrate the Use of the preceding Table by an Example :
 —Suppose on the 24th Day of September this Year, the Time of the Immersion of Jupiter's first Satellite be observed by a Telescope, in an unknown Meridian, to happen at 4h. 55 min. 17 seconds; I find by the Table, that the Time of his Immersion will happen at the British Observatory at 3h. 6 min. 57 sec. the same Day : The Difference of the Time is 1 h. 48 min. 20 sec. which being converted into Degrees and Minutes of the Equator, at the Rate of 15 Degrees per Hour, will make 27 deg. 5 min. the Longitude of the Place of Observation to the East ; because the Time is more than that at the British Observatory.

Operation.	Immersion observed - - - - -	4 ^h 55 ^m 17 ["]
	Immersion at <i>Greenwich</i> - - - - -	3 6 57
	<hr/>	
	The Difference of Time - - - - -	1 48 20
	Answering to - - - - -	27° 5' 0
	C Mercury's	

34 MERCURY's Longitude and Declination for 1800.

Day	Long.	Declin.	Long.	Declin.	Long.	Declin.
1	27	56	20 s 14	22	1 22 s 29	7 49 10 s 26
4	26	25	20 17	26	22 22 2	13 28 8 5
7	26	20	20 35	0	51 21 24	19 15 5 March 33
10	27	26	21 1	5	27 20 33	25 8 2 53
13	29	26	21 31	10	11 19 31	1 4 0 6
16	2	6	21 59	15	4 18 16	6 56 2 n 43
19	5	14	22 23	20	4 16 48	12 34 5 29
22	8	44	22 40	25	13 15 8	17 48 8 5
25	12	29	22 48	0	31 13 15	22 27 10 24
28	16	27	22 47	5	58 11 10	26 19 12 20
1	0	2	14 n 11	21	44 6 n 45	21 42 16 n 18
4	1	40	15 0	22	5 6 22	27 2 18 5
7	2	16	15 15	23	7 6 21	2 42 19 48
10	1	53	14 58	24	47 6 42	8 43 21 24
13	0	41	14 10	27	2 7 21	15 1 22 47
16	28	52	12 59	29	48 8 17	21 31 23 52
19	26	47	11 32	3	1 9 27	28 6 24 34
22	24	47	10 1	6	41 10 49	4 38 24 51
25	23	9	8 38	10	44 12 21	11 1 24 44
28	22	6	7 31	15	11 14 0	17 11 24 12
1	23	5	23 n 21	5	31 7 n 30	25 59 10 n 52
4	28	41	22 14	7	20 6 16	25 53 11 48
7	3	59	20 53	8	32 5 17	27 5 12 13
10	8	59	19 23	9	0 4 37	29 34 12 4
13	13	40	17 47	8	41 4 4	20 3 7 22
16	18	4	16 6	7	32 4 29	7 30 10 9
19	22	8	14 23	5	36 5 7	12 27 8 30
22	25	53	12 41	3	5 6 11	17 44 6 34
25	29	16	11 0	0	23 7 35	23 10 4 25
28	2	15	9 25	27	57 9 4	28 37 2 9
1	4	1	0 s 11	24	16 20 s 28	26 38 24 s 35
4	9	21	2 30	28	39 21 46	25 35 23 44
7	14	34	4 48	2	57 22 53	22 54 22 39
10	19	40	7 2	7	8 23 51	19 1 21 24
13	24	40	9 12	11	11 24 37	15 0 20 14
16	29	34	11 17	15	3 25 10	11 58 19 25
19	4	23	13 16	18	38 25 31	10 29 19 6
22	9	6	15 8	21	49 25 39	10 34 19 15
25	13	44	16 53	24	24 25 32	11 53 19 42
28	18	18	18 31	26	7 25 11	14 8 20 21

EQUATION of TIME to the nearest Minute.

Day	Jan sub	Feb sub	Mar sub	Apr sub	May add	June add	July sub	Aug sub	Sept add	Oct add	Nov add	Dec add	Day
	min	m	m	m	m	m	m	m	m	m	m	m	
1	4	14	12	4	3	3	3	6	0	11	16	10	1
2	4	14	12	3	3	2	4	6	1	11	16	10	2
3	5	14	12	3	3	2	4	6	1	11	16	9	3
4	5	14	12	3	4	2	4	6	1	11	16	9	4
5	6	14	12	2	4	2	4	6	2	12	16	9	5
6	6	15	11	2	4	2	4	5	2	12	16	8	6
7	7	15	11	2	4	1	5	5	2	12	16	8	7
8	7	15	11	2	4	1	5	5	3	13	16	7	8
9	8	15	11	1	4	1	5	5	3	13	16	7	9
10	8	15	10	1	4	1	5	5	3	13	16	6	10
11	8	15	10	1	4	1	5	5	4	13	16	6	11
12	9	15	10	1	4	0	5	5	4	14	15	5	12
13	9	15	9	0	4	0	5	4	4	14	15	5	13
14	10	15	9	0	4	0	5	4	5	14	15	4	14
15	10	15	9	add	4	sub	6	4	5	14	15	4	15
16	10	14	9	0	4	0	6	4	6	15	15	4	16
17	11	14	8	1	4	1	6	4	6	15	15	3	17
18	11	14	8	1	4	1	6	3	6	15	14	3	18
19	11	14	8	1	4	1	6	3	7	15	14	2	19
20	11	14	7	1	4	1	6	3	7	15	14	2	20
21	12	14	7	2	4	1	6	3	7	15	14	1	21
22	12	14	7	2	4	2	6	2	8	16	13	1	22
23	12	14	6	2	4	2	6	2	8	16	13	0	23
24	13	14	6	2	4	2	6	2	8	16	13	sub	24
25	13	13	6	2	3	2	6	2	9	16	12	1	25
26	13	13	6	3	3	2	6	1	9	16	12	1	26
27	13	13	5	3	3	3	6	1	9	16	12	2	27
28	13	13	5	3	3	3	6	1	10	16	11	2	28
29	14		5	3	3	3	6	0	10	16	11	3	29
30	14		4	3	3	3	6	0	10	16	11	3	30
31	14		4		3		6	add		16		4	31

If the equal or clock time be given, add or subtract the tabular numbers to or from it, as directed in the table; the sum or difference will be the apparent or solar time. But do the contrary to reduce the apparent to equal time.

*A compendious CHRONOLOGY of MEMORABLE THINGS,
since the Creation to this present Year.*

A.P.J.	before Christ.		Years since.
710	4004	The Creation of the World	5804
1766	2948	Noah born	4748
2366	2348	Noah's Flood began	4148
2481	2233	The Babylonian Monarchy established	4033
2718	1996	Abraham born	3796
2986	1728	Joseph sold into Egypt	3528
3143	1571	Moses born	3371
3223	1491	The Israelites Departure out of Egypt	3291
3530	1184	Troy taken and destroyed by the Greeks	2984
3710	1004	Solomon's Temple built and dedicated	2803
4126	588	Jerusalem and the Temple destroyed	2388
4176	538	Daniel delivered from the Den of Lions	2338
4198	516	The Temple of Jerusalem rebuilt	2316
4391	323	The Death of Alexander the Great	2123
4710	4	The true Year of Christ's Birth	1804
4714	0	The vulgar Year of Christ's Birth.	1800

A.D.		
33	The Passion and Resurrection of Jesus Christ	1767
70	Jerusalem and the Temple destroyed by Titus	1730
100	St. John, the last of the Apostles, died Dec. 20.	1700
313	Christianity triumphed under Constantine	1487
476	Augustulus, the last Roman Emperor, deposed	1324
606	The wicked Phocas made Pope Boniface Head of the Church	1194
608	Mahomet broached his Imposture at Mecca	1192
872	Italy and Rome plundered by the Saracens	928
1012	Swain King of Denmark conquered England	788
1066	William Duke of Normandy conquered England	734
1110	Arts and Sciences taught in Cambridge	690
1119	The first War between the French and English	681
1300	The Mariners Compass invented	500
1330	The Canaries discovered by an English Ship	470
1380	Gunpowder and the Use of Guns first found out	420
1453	Constantinople taken from the Christians	347

A.D.

A.D.		Years since.
1463	The <i>Persians</i> conquered by <i>Tamerlane</i>	337
1500	<i>Rome</i> plundered by the Duke of <i>Bourbon</i>	300
1517	<i>Martin Luther</i> first disputed against Popery	283
1536	<i>England</i> separated from the Church of <i>Rome</i>	264
1588	The <i>Spanish Armada</i> defeated by the <i>English</i>	212
1603	<i>Q. Eliz.</i> dies <i>March 24</i> , and <i>K. James I.</i> began	197
1604	Died of the Plague in <i>London</i> , in 2 Years, 68,596.	196
1605	Gunpowder Treason, <i>Nov. 5</i> .	195
1613	The New-River Water brought to <i>London</i>	187
1618	The excellent Sir <i>Walter Raleigh</i> beheaded	182
1625	<i>K. James I.</i> died, <i>K. Charles I.</i> began <i>Mar. 27</i> .	175
1625	35,417 Persons died of the Plague in <i>London</i>	175
1641	The cruel <i>Irish</i> Massacre began, <i>October 23</i> .	159
1643	<i>Burleigh-House</i> stormed by <i>Cromwell</i> , <i>July 24</i> .	157
1649	<i>K. Charles I.</i> beheaded, <i>January 30</i> .	151
1658	<i>Oliver Cromwell</i> died.	142
1660	<i>K. Charles II.</i> restored, <i>May 29</i> .	140
1665	68,586 Persons died of the Plague in <i>London</i>	135
1666	<i>London</i> burnt, and a great Sea-fight with the <i>Dutch</i>	134
1672	War declared against the <i>Dutch</i> , <i>March 17</i> .	128
1674	A great Snow for 11 Days together	127
1675	The Town of <i>Northampton</i> burnt, <i>Sept. 3</i> .	125
1680	A great and splendid Comet appeared	120
1684	The great Frost that held 13 Weeks	116
1685	<i>K. Charles II.</i> died, <i>Feb. 6</i> , and <i>K. James II.</i> began	115
1685	The Duke of <i>Monmouth</i> beheaded, <i>July 15</i> .	115
1688	Seven Bishops sent to the <i>Tower</i> , <i>June 8</i> .	112
1688	<i>K. James II.</i> abdicated, <i>December 12</i> .	112
1689	<i>K. William</i> and <i>Q. Mary</i> crowned, <i>April 11</i> .	111
1692	The <i>French Fleet</i> entirely defeated by the <i>English</i>	108
1698	<i>Whitehall Palace</i> destroyed by Fire	102
1702	<i>K. William</i> died, <i>March 8</i> , and <i>Q. Anne</i> began	98
1702	<i>Q. Anne</i> proclaimed War against <i>France</i> , <i>May 4</i> .	98
1703	A great and terrible Wind, <i>Nov. 26</i> and <i>27</i> .	97
1704	<i>Gibraltar</i> taken by the <i>English</i>	96
1707	<i>England</i> and <i>Scotland</i> united, <i>May 1</i> .	93
1710	Riots and great Disturbances in <i>England</i>	90
1714	<i>Q. Anne</i> died, <i>August 1</i> , and <i>K. George I.</i> began	86

A.D.		Years since.
1715	A Rebellion in <i>Scotland</i> and <i>Lancashire</i> suppressed	85
1716	A great Frost in the Beginning of this Year	84
1718	The <i>Spanish</i> fleet destroyed by Admiral <i>Byng</i>	82
1719	A surpris'g Meteor seen, <i>March</i> 19, at 8 at Night	81
1719	Mr. <i>Flamsteed</i> , a celebrated Astronomer, died <i>Dec.</i> 31	81
1727	The incomparable Sir <i>Isaac Newton</i> died <i>Mar.</i> 20	73
1727	K. <i>George</i> I. died <i>June</i> 11, and K. <i>George</i> II. began	73
1736	The Prince and Princess of Wales married, <i>Ap.</i> 27	64
1739	Letters of Marque published in <i>London</i> against the <i>Spaniards</i> , <i>July</i> 16.	61
1739	War declared by <i>Great Britain</i> against <i>Spain</i>	61
1739	<i>Porto-Bello</i> taken and destroyed by Adm. <i>Vernon</i>	61
1740	A very severe Frost from <i>Dec.</i> 25, to <i>Feb.</i> 27	60
1742	A Comet appeared from <i>Feb.</i> 18, to <i>March</i> 14	58
1743	A splendid Comet appeared from <i>Dec.</i> 23, to <i>Feb.</i> 18, in ♀	57
1744	<i>Mar.</i> 4, <i>France</i> declar. War against <i>England</i> ; and <i>Mar.</i> 31, <i>England</i> declared War against <i>France</i>	56
1745	<i>Cape Breton</i> taken from the <i>French</i> , <i>June</i> 16	55
1746	The <i>Scotch</i> Rebels defeated by the Duke of <i>Cum-</i> <i>berland</i> , at <i>Culloden</i> , near <i>Inverness</i> , <i>April</i> 16	54
1748	A general Peace signed <i>October</i> 7	52
1749	<i>Cape Breton</i> restored to the <i>French</i>	51
1750	The <i>British</i> Fishery established	50
1751	The Prince of Wales died <i>March</i> 20	49
1752	The Date and Calendar altered	48
1755	<i>Lisbon</i> destroyed by an Earthquake, <i>Nov.</i> 1	45
1756	<i>England</i> declared War against <i>France</i> <i>May</i> 18	44
1756	<i>Minorca</i> taken by the <i>French</i> , <i>June</i> 27.	44
1757	Count <i>Brown</i> defeated by the King of <i>Prussia</i> , near <i>Prague</i> , <i>May</i> 6.	43
1757	The King of <i>Prussia</i> defeated by Count <i>Dann</i> , at <i>Collin</i> , <i>June</i> 18	43
1758	<i>French</i> defeat. at <i>Crevelt</i> , by Pr. <i>Ferdinand</i> , <i>June</i> 23	42
1758	Lord <i>Howe</i> slain, <i>July</i> 6, and Gen. <i>Abercrombie</i> repulsed at <i>Ticonderoga</i> , <i>July</i> 8	42
1758	<i>Cape Breton</i> taken by the <i>English</i> , <i>July</i> 26	42

A. D.

	A.D.		Years since.
85	1758	The <i>Russians</i> defeated at <i>Zorndorff</i> by the King of <i>Prussia</i> , <i>Sept. 25</i>	42
84	1759	The Island of <i>Guadaloupe</i> taken by Gen. <i>Barrington</i> and Commodore <i>Moore</i> , <i>May 1</i>	41
82	1759	<i>French</i> defeated at <i>Minden</i> , by Pr. <i>Ferdinand</i> , <i>Aug. 1</i>	41
81	1759	The King of <i>Prussia</i> defeated at <i>Cunnersdorff</i> by the Count <i>de Soltikoff</i> , <i>August 12</i>	41
73	1759	Gen. <i>Wolfe</i> slain, though victorious, <i>Sept. 13</i> , and <i>Quebec</i> taken, <i>Sept. 18</i> , by Gen. <i>Townshend</i>	41
73	1760	<i>Montreal</i> taken by Gen. <i>Amherst</i> , <i>Sept. 8</i>	40
64	1760	K. <i>Geo. II.</i> died <i>Oct. 25</i> , and <i>Geo. III.</i> succeeded	40
61	1761	<i>Pondicerry</i> taken by Col. <i>Coote</i> , <i>Jan. 15</i>	39
61	1761	K. <i>Geo. III.</i> married <i>Q. Charlotte</i> , <i>Sept. 8</i>	39
61	1761	K. <i>Geo. III.</i> crowned, <i>Sept. 22</i>	39
60	1762	The Island of <i>Martinico</i> taken by Gen. <i>Monckton</i> , and Adm. <i>Rodney</i> , <i>Feb. 14</i>	38
58	1762	<i>George Prince of Wales</i> born, <i>August 12</i>	38
57	1762	The <i>Havannab</i> taken by Lord <i>Albemarle</i> and Sir <i>George Pocock</i> , <i>August 12</i>	38
56	1763	A general Peace in all <i>Europe</i>	37
55	1763	Duke of <i>York</i> born <i>Aug. 16</i>	37
	1765	Duke of <i>Clarence</i> born <i>August 21</i>	35
54	1766	Duchess of <i>Wirtemberg</i> born <i>Sept. 29</i>	34
52	1767	Duke of <i>Kent</i> born <i>Nov. 2</i>	33
51	1768	Princess <i>Augusta-Sophia</i> born <i>Nov. 8</i>	32
50	1770	Princess <i>Elizabeth</i> born <i>May 22</i>	30
49	1771	Duke of <i>Cumberland</i> born <i>June 5</i>	29
48	1772	<i>Swedes</i> resign their Liberties to the King	28
45	1773	Prince <i>Augustus-Frederick</i> born <i>Jan. 27</i>	27
44	1773	The Light Gold recoined	27
44	1774	Prince <i>Adolphus Frederick</i> born <i>Feb. 24</i>	26
	1775	War commenced against the <i>North-Americans</i>	25
43	1776	Princess <i>Mary</i> born <i>April 25</i>	24
	1776	The <i>Americans</i> declare themselves independent	24
43	1777	Princess <i>Sophia</i> born <i>Nov. 3</i>	23
42	1778	The <i>French</i> sign a Treaty with the <i>Americans</i>	22
	1778	War begun against the <i>French</i>	22
42	1779	War commenced against the <i>Spaniards</i>	21
42	1780	War against the <i>Dutch</i> begun	20
. D.	1783	A general Peace	17
	1783	Princess <i>Amelia</i> born <i>Aug. 7.</i>	17

A.D.		Years since.
1783	New Volcanic Island appeared near <i>Iceland</i>	17
1783	More than 40,000 People perish by Earthquakes in <i>Italy</i>	17
1783	Peace with <i>France</i> , <i>Spain</i> , and <i>America</i> , concluded <i>Sept. 3.</i>	17
1784	A general Peace concluded, <i>July 2.</i>	16
1784	Seventeen Districts in <i>Iceland</i> desolated, by a sub- terraneous Fire	16
1786	Commercial Treaty with <i>France</i> signed <i>Sept. 26.</i>	14
1788	His Majesty <i>George III.</i> seized with a dangerous Disorder	12
1789	<i>April 23</i> , the King, Royal Family, &c. went in State to <i>St. Paul's</i> , being a Day of General Thanksgiving for His Majesty's Recovery	11
1789	Revolution in <i>France</i>	11
1790	<i>Joseph II.</i> Emperor of <i>Germany</i> died <i>Feb. 20.</i>	10
1790	<i>Henry Frederick</i> , Duke of <i>Cumberland</i> , died <i>Sept.</i> <i>18.</i>	10
1792	<i>Leopold</i> , Emperor of <i>Germany</i> , died <i>March 1.</i>	8
1792	<i>Gustavus</i> , King of <i>Sweden</i> , shot by <i>Ankerstrom</i> , <i>March 16.</i> died <i>March 29</i> following	8
1792	War declared by <i>France</i> against the King of <i>Bo-</i> <i>hemia</i> and <i>Hungary</i> , <i>April</i>	8
1792	The <i>French</i> Monarchy altered to a Republic, <i>Sept.</i>	8
1793	The <i>French</i> King, <i>Louis XVI.</i> beheaded, <i>Jan. 21.</i>	7
1794	The <i>French</i> defeated by Lord <i>Howe</i> , <i>June 1.</i>	6
1796	Prince of <i>Wales</i> married, <i>April 8.</i>	5
1797	<i>Spanish</i> fleet defeated by Earl <i>St. Vincent</i> , <i>Feb.</i> <i>14.</i>	3
1797	Princess <i>Royal</i> married to the Duke of <i>Wirtem-</i> <i>berg</i> , <i>May 18.</i>	3
1797	<i>Dutch</i> fleet defeated by Lord <i>Duncan.</i>	3
1798	<i>French</i> fleet destroyed by Lord <i>Nelson.</i>	2

OF THE

LUMINARIAN ECLIPSES,

AND OTHER

ASTRONOMICAL APPEARANCES,

This Year, 1800.

IN the course of this year there will be four Eclipses, and but only one visible to the inhabitants of Great Britain and Ireland; they happen in the following order:

The first is a partial Eclipse of the Moon, upon *Wednesday*, the 9th day of *April*, but invisible to us; for, with respect to London, the Eclipse will be quite over at 41 min. past 5 o'clock in the afternoon; and as the *Moon* cannot rise before the Sun sets, this Eclipse cannot be seen in our hemisphere.—At the time of the greatest obscuration, the *Moon* will be directly over the heads of such persons as happen at that time to be sailing upon the eastern coasts of the island of Java, in Latitude 7 degrees South, and 114 degrees East Longitude from London: consequently this Eclipse will be visible to most of the small Isles in the great Pacific Ocean, and to California, New Zealand, Van Diemen's Land, New Holland, and all along the eastern coasts thereof, called South Wales, the Hebrides, New Guinea, the Isles of Sunda, Borneo, Madagascar, the Philipines, Japan, and the whole Continent of Asia, the eastern parts of Europe and Africa. The Beginning will be visible at the Sandwich Islands, and at Otaheite, where the *Moon* sets about the Middle of the Eclipse, 7 digits eclipsed. The End will extend itself into Germany.

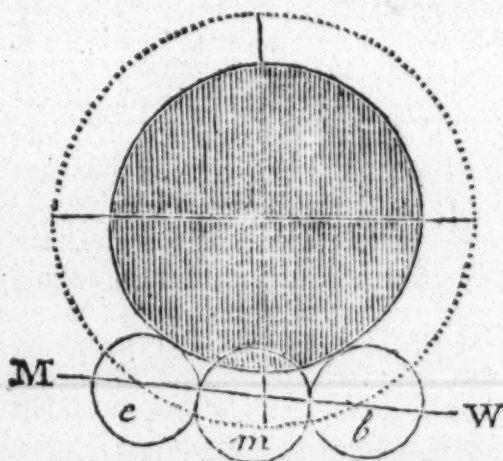
The second is a central Eclipse of the Sun, upon *Thursday*, the 24th of *April*, at 28 minutes before our one o'clock in the morning, in $3^{\circ} 34'$ of δ , the Moon's Latitude $33' 30''$ North. This Eclipse will be central in the meridian, at our

one

one o'clock in the morning, on the eastern coasts of Kamtskatka, which is the eastern boundary of the Russian empire, 165 degrees East Longitude from *London*, and under 56 degrees of North Latitude; consequently in Japan, Eastern Tartary, and several other parts of Asia, this will be a very great Eclipse; and along the Track of Central Appearance, and parts adjacent, the spectators, instead of a gloomy darkness, will be entertained with a beautiful Annulus, or Ring of Light, encompassing the dark body of the *Moon* on every side, which will be both a grand and awful sight.

The third Eclipse is a small visible one of the *Moon* (if clouds interpose not) on *Thursday*, the 2d day of *October*, at night. At the time of the greatest Obscuration, the *Moon* is vertical to that part of *Ethiopia* in *Africa*, lying under about 3 degrees of North Latitude, and 32 degrees 32 minutes East from *London*; from which it appears that this Eclipse will be visible in all *Africa*, the *Island of Madagascar*, and all the lesser *Islands* of the *Indian Sea*, in *Sumatra*, the West parts of the *Kingdom of Siam*, the *Mogul's Empire*, *Arabia*, *Persia*, in *Asia*, and all *Europe*.

The TYPE for LONDON.



Note, *W M*, the *Moon's* Way, and *b, m, e*, the *Moon's* Centre at the Beginning, Middle, and End of the Eclipse.

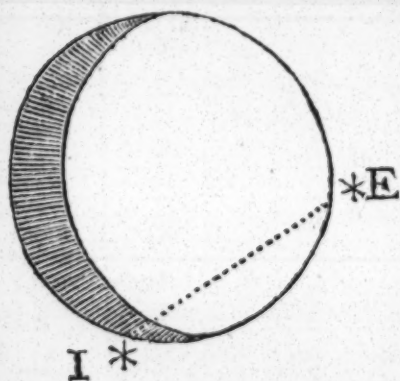
At *London*, the Eclipse begins at 1 min. past 9 o'clock; the Middle will be at 56 min. past 9; and the Eclipse ends at 51 min. past 10, according to apparent Time. Digits eclipsed $2^{\circ} 43'$. Duration of the Eclipse, 1 hour and 50 minutes.

The

The fourth and last Eclipse is one of the **SUN**, upon *Saturday*, the 18th of *October*, at 12 minutes past our 9 in the morning, in $24^{\circ} 45'$ of \cap , and the Moon's Latitude is $34' 45''$ South. But, notwithstanding its falling in the day-time, it will be invisible to us; but in the remote southern parts of the world, this will be a very great Eclipse, even both Central and Total; but the total darkness will not be of long continuance. The **Sun** is centrally eclipsed on the Meridian at 37 minutes past our 9 in the morning, in Latitude 50 degrees South, and in 36 degrees of East Longitude from *London*. This Eclipse will be seen at the Cape of Good Hope, and at the Island of Madagascar.

Other Celestial Appearances.

Upon *Monday*, the 5th of *May*, the Moon eclipses a Star of the third magnitude, in the Sign *Virgo*. The Position of the



Moon and *Star* at the time of this Occultation will be as in the annexed delineation. The *Star* will immerse behind the Moon's Edge at *I*, at 32 minutes past 9 o'clock at night, and will again appear to emerge from the bright Edge of the Moon at *E*, 28 minutes past 10, apparent time, after being covered by the *Moon* 56 minutes.

This Occultation will make a pretty appearance through a telescope.

Again, on *Wednesday* the 27th of *August*, the Moon will eclipse *Antares*, a bright Star of the 1st magnitude. This *Star* immerses behind the dark edge of the Moon, at 3 min. past 4 o'clock in the afternoon, and will appear to emerge from behind the bright edge of the Moon at 4 minutes past 5, according to apparent time, after being hid by the *Moon* 61 minutes. This Occultation, though in the day-time, may be seen with a proper telescope, well sheltered from the sun-beams.

Of the *FOUR QUARTERS* of the *YEAR*
1800;

WITH A SUMMARY
VIEW OF THE POSITIONS AND INFLUENCES
OF THE
PLANETS therein.

Of the *SPRING QUARTER*:



This Quarter begins when the *Sun* apparently touches the first point of the Equinoxial Sign *Aries*; which will take place this year upon *Thursday*, the 20th day of *March*, at 3 min.

[pad]

past 8 at night, when 29 deg. of φ culminate, and 22 deg. of ϖ ascends in the East. The *Moon* and the rest of the planets appear as in the foregoing Delineation of the Heavens.—From the Positions of the Planets at this Ingress (which in some measure serve for the foundation of our productions for the whole year) we may expect some more than ordinary affairs to be in agitation; there will be several cabals, and private negociations carrying on in most of the courts of *Europe*; and there seems to be a spirit of superstition, and a religious frenzy to possess the heads of many men, especially of the Ecclesiastics in the several *Popish* countries on the Continent: they seem to be very fond of some new project as yet in embryo; but as the *Popish* Power is near its exit, there is no likelihood of its succeeding to their wishes. The malevolent δ of γ and δ , in the month of *March*, now at hand, implies the conception of some eminent matters, which will, ere long, shew themselves in the world; great troubles and calamities are like to befall the *Popish* and perhaps *Turkish* territories; it is likely to fall particularly upon *Italy*, and especially *Rome* itself. The Republic of *France* will be hard put to it, to keep their standing amidst the surrounding combined Powers—it is much threatened (as well as those other countries in connection with *France*) with wars, and those woful desolations concomitant unto it. God seems to be doing a great work, in which all *Europe* is concerned. God protect our King, and the whole nation at large; for the influences of this δ will disturb the most assured councils and resolutions of *Europe*, both in *England*, *France*, *Spain*, and *Italy* especially. The vulgar man is not so capable of the furious effects from hence ensuing, as are Kings, Princes, Magistrates, Generals of Armies, Privy Counsellors in every nation, in every republic and commonwealth. The aforementioned Configurations of the Planets, do, in my judgment, menace a sickly constitution, and this more than ordinary, fevers of all sorts, and some violent and extremely dangerous, and such diseases as proceed from putrefaction of the blood, &c.

THE SUMMER QUARTER.

THIS Festival, or Summer Quarter, begins at the moment of time the Sun enters the first scruple of the Tropical Sign *Cancer*,

Cancer, or the Earth *Capricorn*, which, either way taken, happens this year on *Saturday*, the 21st day of *June*, at 47 min. past 5 in the afternoon, at which time we have 26 degrees of π on the M. C. and 1 degree of \uparrow on the eastern part of the Horizon.—*Mars* is in the 4th House, in Δ of η in the 9th. *Mars* also is within Orbs of a Zodiacal \square of Υ ; the *Moon* at the same time separating from δ of φ , *ad voc.* δ \odot , φ et Υ . The Configurations of the Planets at this Ingress, signify wranglings, strife, and contentions, some of which are of a religious nature: I expect it chiefly relates to the Church of *Rome*. These configurations signify also that Kings and Princes will advise with their Nobles and Counsellors concerning the troubles of *Europe*, and to try to reconcile past differences, adjust disputes, and establish a peace; if so, I wish them a happy issue; but alas! what laws can controul an aspiring, turbulent, and exorbitant *French Republic*? The *French* and their Allies, exasperated by their recent losses, make great efforts to the redeeming of their tottering honour; and could we be so wise as to act in concert amongst ourselves, we have nothing to fear (whatever we may hope) from those dreadful disasters that fall upon other countries—though I doubt the peace of *Ireland* is still much disturbed, both by treason and rebellion, which are still to be found in that unhappy kingdom.

THE AUTUMN QUARTER.

THE Autumnal Quarter is often cold and dry, variable and inconstant; it is a dangerous time for diseases, and diseased persons. It commences at such time as the *Sun* toucheth the first scruple of the Equinoxial Sign \simeq , making again the days and nights equal. It falls this year on *Tuesday*, the 23d of *September*, at 31 min. past 7 in the morning, when 16 degrees of \simeq ascends, and 21 degrees of ϖ is on the M. C. The *Moon* separates from \square of η and δ of φ . Also the two malevolent planets η and φ are again within Orbs of another Zodiacal \square aspect. This, again, is but a four Face of the Heavens; we therefore must not flatter ourselves too much, that a peace is now likely to take place; those halcyon days are, I doubt, not so near at hand as might be wished; some further undertakings seem still likely to be attempted; and

various and remarkable convulsions and revolutions remain yet to be produced, before that desirable time comes; for for there is still more work to be done, before a firm and lasting peace can be expected.

The WINTER QUARTER.

THIS Quarter begins when the *Sun* first touches the Southern Tropic *Capricorn*, which makes the days at the shortest, and happens, this year, on *Sunday*, the 21st day of *December*, at a quarter past 12 at night. From the Positions of the Planets at this ingressional Figure, we may expect cold winds, nipping frosts, and store of snow and rain during this Winter Quarter, which lasts until the 21st of *March*, when the Spring Quarter begins; though this is often the case, yet I expect it may be more so than in some winters, the winter of the year 1799 excepted. To conclude: let us all earnestly pray for our King, and the Royal Family, that they may long reign over these nations, for the good of the Protestant Religion, and support of true *English* Liberties. *Amen.*

The next Century.

Controversies generally arise from the disputants disagreeing in the premises of the question.—But in that which respects the commencement of the next century, it is remarkable that both parties agree in the premises, but disagree in the conclusion: thus all parties agree, that at the first moment of our Saviour's birth, commenced the first year of his age, or the first year of the Christian era; and that at the perfect conclusion of that first year, the second year of his age, or second

cond year of the Christian æra, commenced. Each party contends as an axiom, that the first æra must be complete before we can presume upon the second. But then come two directly different conclusions.—One party says, “*Therefore* the first century ended with the termination of the year 99;” the others, “*Therefore* it ended with the year 100.”

The King was born in the year 1738; on *June* the 4th, 1739, he was one year old, and entered into the second year of his age; on *June* 4th, 1740, he was two years old, and entered on the third year of his age; and so on, till *June* 4th, 1798, when he completed his 60th year, and entered on the 61st year of his age. This, I presume, cannot be denied.—Now then, suppose his Majesty to live to the end of the 99th year of his age, which would be *June* 4th, A. D. 1837, will it be said that he has completed a *century* (or 100 years) or that he has *entered* on the 100th year of his age? I contend, that his Majesty being born on *June* 4th, 1738, *June* 4th, 1838, must arrive, before he would have completed 100 years. And thus 1798 years must have passed away, before we could have entered on the 1799th year; thus 1799 years must pass before we could enter on the 1800th; thus 1800 years must pass, before we enter on the 1801st, or *first* year of the next CENTURY.



F I N I S.

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